1929

YEAR BOOK

of the

Massachusetts Horticultural Society

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BOSTON

1929

YEAR BOOK

OF THE

MASSACHUSETTS HORTICULTURAL SOCIETY

WITH THE
ANNUAL REPORT
FOR 1928

LIBRARY

Foreword

The Committee on Lectures and Publications have the honor to present the sixth number of the Society's Year Book with which is combined the Annual Report for the year 1928.

E. H. Wilson, *Chairman.*

Boston, Mass.,
February 25, 1929.

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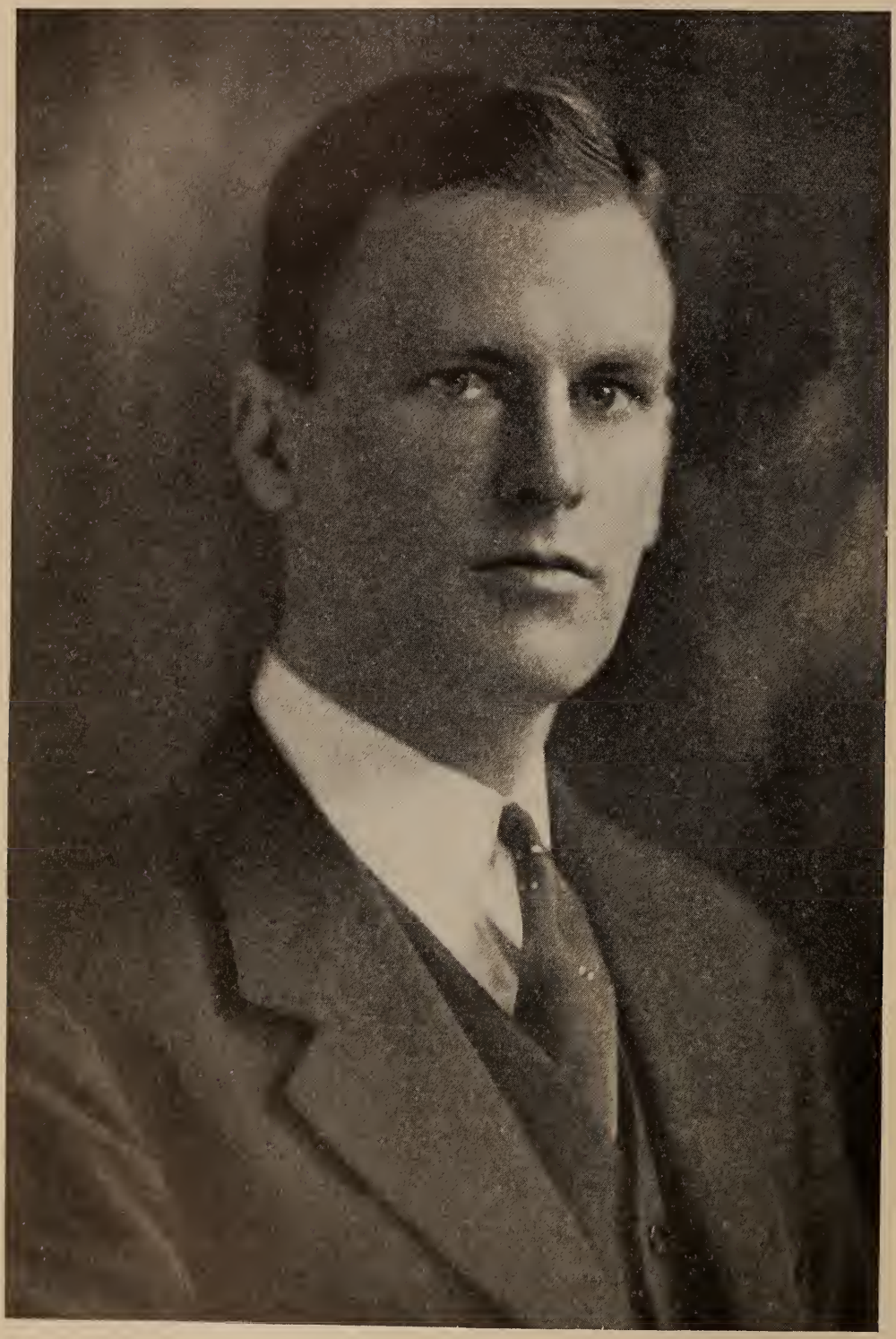


Mr. Robert G. Stone
Elected a Trustee in 1928

Massachusetts Horticultural Society

OFFICERS FOR 1929

President

ALBERT C. BURRAGE, of Boston

Vice-Presidents

OAKES AMES, of North Easton

EDWIN S. WEBSTER, of Boston

Treasurer

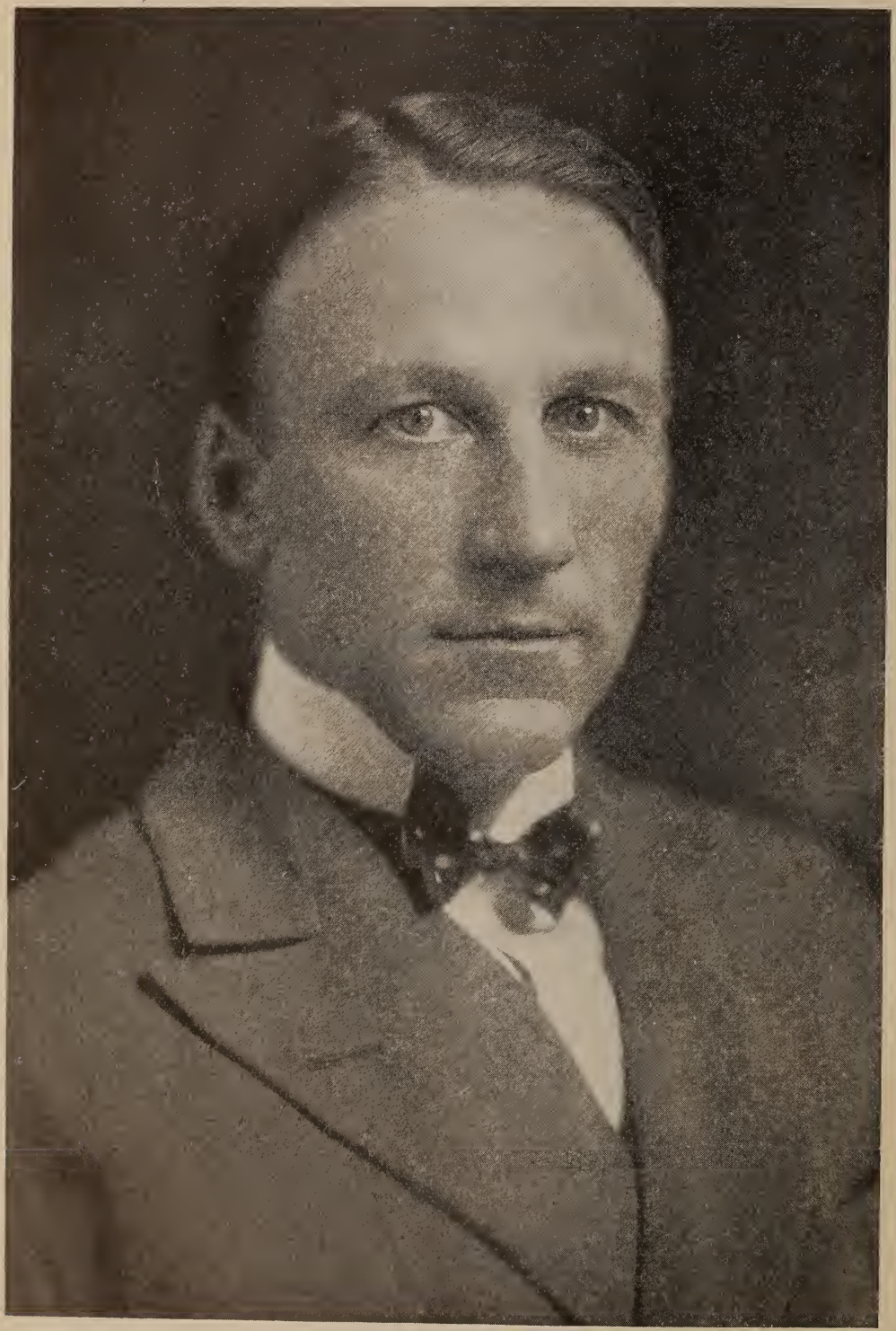
JOHN S. AMES, of North Easton

Secretary

EDWARD I. FARRINGTON, of Weymouth

Trustees

JOHN S. AMES, of North Easton
OAKES AMES, of North Easton
FRANCIS H. APPLETON, of Boston
ALBERT C. BURRAGE, of Boston
ROBERT CAMERON, of Ipswich
MISS MARIAN R. CASE, of Weston
HOWARD COONLEY, of Readville
MRS. S. V. R. CROSBY, of Boston
WILLIAM C. ENDICOTT, of Boston
MRS. HOMER GAGE, of Worcester
G. PEABODY GARDNER, Jr., of Brookline
WALTER HUNNEWELL, of Wellesley
NATHANIEL T. KIDDER, of Milton
ARTHUR LYMAN, of Boston
THOMAS ROLAND, of Nahant
ROBERT G. STONE, of Brookline
MRS. BAYARD THAYER, of South Lancaster
GEORGE C. THURLOW, of West Newbury
LORING UNDERWOOD, of Belmont
HENRY P. WALCOTT, of Cambridge
EDWIN S. WEBSTER, of Boston
ERNEST H. WILSON, of Jamaica Plain
FRED A. WILSON, of Nahant



Mr. G. Peabody Gardner, Jr.

Elected a Trustee in 1928

COMMITTEES AND JUDGES FOR 1929

Executive Committee

ALBERT C. BURRAGE, Chairman

JOHN S. AMES — OAKES AMES
MRS. BAYARD THAYER — EDWIN S. WEBSTER

Finance Committee

ALBERT C. BURRAGE, Chairman

JOHN S. AMES — EDWIN S. WEBSTER

Membership Committee

ARTHUR LYMAN, Chairman

ROBERT STONE — GEORGE G. THURLOW

Committee on Prizes

ERNEST H. WILSON, Chairman

JAMES MARLBOROUGH — THOMAS ROLAND

Committee on Exhibitions

THOMAS ROLAND, Chairman

HOWARD COONLEY — ERNEST H. WILSON
WILLIAM N. CRAIG — HARLAN P. KELSEY

Committee on Library

NATHANIEL T. KIDDER, Chairman

JOHN S. AMES — MRS. BAYARD THAYER

Committee on Lectures and Publications

ERNEST H. WILSON Chairman

HOWARD COONLEY — ROBERT CAMERON

Committee on Building

ALBERT C. BURRAGE, Chairman

JOHN S. AMES — FRED A. WILSON

Committee on Gardens

MRS. HOMER GAGE, Chairman

WILLIAM C. ENDICOTT — WALTER HUNNEWELL
MRS. F. B. CROWNINSHIELD — MRS. S. V. R. CROSBY

Committee on George Robert White Medal of Honor

OAKES AMES Chairman

MRS. S. V. R. CROSBY — WILLIAM C. ENDICOTT

Committee on Children's Gardens

MISS MARIAN ROBY CASE, Chairman

D. W. O'BRIEN — MRS. LEWIS A. ELLIOTT

Judges of Plants and Flowers

WILLIAM ANDERSON, Chairman

SAMUEL J. GODDARD — DONALD McKENZIE
WILLIAM H. JUDD — GEORGE F. STEWART

Judges of Fruits

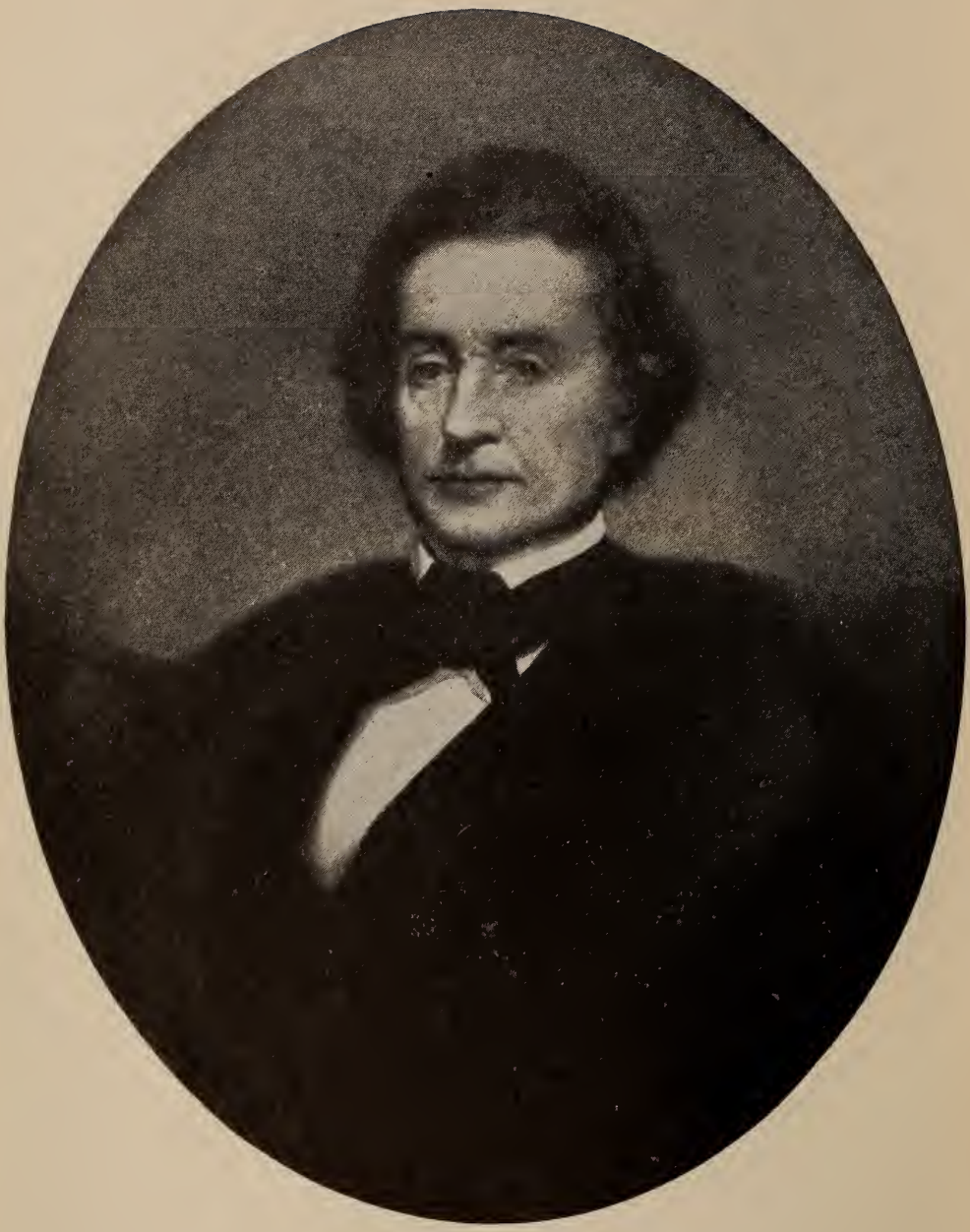
JAMES METHVEN, Chairman

WALTER G. KENDALL — ANDREW K. ROGERS

Judges of Vegetables

EDWARD PARKER, Chairman

PAUL P. MAILLARD — RAY M. KOON



General H. A. S. Dearborn

The First President of the Massachusetts Horticultural Society

The Centenary of the Massachusetts Horticultural Society*

Just 100 years ago a little company of Boston men were holding occasional meetings in the down-town district to consider the formation of a horticultural society. Most of these men were prominent in the business affairs of the city but they were interested also in gardens and in gardening, and particularly in the growing of fruits. Their discussion came to a head on February 24, 1829, when a preliminary meeting was held and largely attended.

On March 17, the formal organization took place and on March 19, of this year, the hundredth anniversary of this society will be celebrated by a Centennial Flower Exhibition at Mechanics Building; this building has been chosen because Horticultural Hall, large as it is, is far too small to house this great exhibition, which will be the outstanding event of the year.

One hundred years ago Boston had a population of but 60,000 persons. It had been an incorporated city for only seven years, but it had several fine estates as well as many gardens. Pennsylvania already had a horticultural society—formed two years previously—a society which still is, as all know, a prosperous and influential organization. It is the only existent horticultural society which antedates that of Massachusetts.

There was a keen desire on the part of those interested in the new society to exhibit the products of their gardens, notwithstanding that the amount of material available was exceedingly limited compared with that of today. At that time the Concord grape had not been originated; neither had such pears as Clapp's Favorite and Dana Hovey. The only squash known was a crookneck and tomatoes were looked upon as poisonous weeds.

Many of the flowers now in common cultivation were still undreamed of then. Plant hunters were already at work, however, both in the Far East and on this continent, and for the next half century a flood of new plant material poured in upon garden makers, with a distinctly stimulating effect. Many of these new plants were shown on the tables of the

*From "Horticulture," January 1, 1929.

The Original Horticultural Hall in Boston, Erected in 1845

Massachusetts Horticultural Society for the first time. Robert Fortune, the English plant hunter, was bringing back such valuable subjects as Weigela rosea, Fortune's yellow rose, Anemone japonica, Forsythia viridissima, the white wisteria, Jasminum nudiflorum, Azalea amoena and the common bleeding heart (Dielytra spectabilis). This latter plant, which did not reach America until about 1850, was exhibited for the

The Second Horticultural Hall in Boston, Erected in 1863

Massachusetts Horticultural Society two years later and created little less than a sensation.

General H. A. S. Dearborn of Roxbury was the first president of the newly organized society, which was ambitious from the first and soon found itself the owner of a cemetery and a test garden, both in Cambridge. The cemetery was Mt. Auburn where now sleep many of the country's most illustrious dead,

The Present Horticultural Hall in Boston, Erected in 1900

including the late Henry Cabot Lodge. It was the first public cemetery in America and has been the pattern for all those which have come up since. Up to that time cemeteries had invariably been laid out in the shadow of a church or within the confines of a city.

The management of the cemetery soon became a major financial undertaking, however, and interfered seriously with the society's own activities. After a few years, therefore, a separation was made, but with the provision that one-fourth the receipts for lots sold should accrue to the parent organization. That very favorable arrangement has been continued until the present day, with the result that several hundred thousand dollars have been received by the Massachusetts Horticultural Society from the Mt. Auburn Cemetery Association.

The test garden was soon abandoned, too, and thereafter the society devoted itself strictly to the purposes for which it was originally formed.

The society's early exhibitions were held in various small halls and in an effort to find more spacious accommodations it was decided to use a tent on Boston Common. These tent shows were conducted for three consecutive Summers but the uncertainty of the weather led to their abandonment. Two other shows in tents have been held in more recent years, one a financial success and one, due again to inclement weather, a financial failure.

Some of the first public meetings were held in Faneuil Hall, but the need of a home for the growing society became so acute that in 1845 a Horticultural Hall located on School Street and costing $40,000 was erected. This hall was outgrown in a few years and sold for $90,000, giving a profit which allowed the construction of a second Horticultural Hall on Trement Street which, in its day, was one of the show spots of the city. This building cost $240,000 and was adorned with huge granite statues representing Ceres, Pomona and Flora. The society carried on its activities in this building for 35 years before the necessity for a still larger hall brought about the erection of the present building, which is valued at at least a million dollars and is rivaled only by the new building of the Royal Horticultural Society in London.

The Present Library of the Massachusetts Horticultural Society

Many of those who visit this hall only to see its exhibitions do not realize the many other activities carried on. Yet they are always welcome on the upper floor, where they will find the largest horticultural library in America and one of the most complete in the world. This library is open to the public daily from 9 a.m. to 5 p.m. except on Sundays and holidays, although only members can take books away. Both the secretary's office and the editorial office of *Horticulture* are located on the same floor. Horticultural Hall is the center of the horticultural activities of eastern Massachusetts, most of the various horticultural organizations holding their meetings there.

The presidents' gallery is one of the interesting features of the building, offering in itself an important historical background, for in this gallery are the portraits of the first president, General Dearborn, and many other men who have had an active part in the society's work down through the century, including Marshall P. Wilder, who was president for eight years, Joseph Breck, Charles M. Hovey, Francis B. Hayes, Arthur F. Estabrook, H. Hollis Hunnewell, John K. M. L. Farquhar, General Francis Appleton, Dr. Henry P. Walcott and Nathaniel T. Kidder. Several other men equally prominent are not yet represented. They include John Lowell, Professor Charles S. Sargent, William C. Endicott, Francis Parkman, the famous historian, and the present president, Albert C. Burrage, who has now entered upon his ninth term, serving for a longer period than any other president in the history of the society.

Like all organizations the Massachusetts Horticultural Society has had periods of growth and periods of stagnation. Under the direction of Mr. Burrage it has advanced to such an extent that it now has the largest membership in its history, a total of over 5,000.

The society has been active in promoting every phase of horticulture. It had much to do in establishing the movement for children's gardens. It has assisted in the introduction of many new flowers, plants and fruits and has contributed consistently to the horticultural literature of the country. Indeed, its history is interwoven with that of American horticulture and it has striven through all the years to justify the inscription "Commune Bonum" which appears on its seal, and to be of the widest possible service to all.

Medals and Certificates

The following is a list of medals and certificates awarded by the Massachusetts Horticultural Society in the year 1928:

George Robert White Medal of Honor

William Boyce Thompson, Yonkers, N. Y., for eminent service in horticulture.

Jackson Dawson Memorial Medal

T. D. Hatfield, Wellesley, Mass., originator and propagator of woody plants.

Thomas Roland Medal

E. G. Hill, Richmond, Ind., skilful originator and grower of Roses.

Gold Medal of the Horticultural Society of New York

Mrs. Homer Gage, for a Spring bulb garden, March 20, 1928.

Gold Medal of The Pennsylvania Horticultural Society

Thomas Roland, for a display of Acacias, March 20, 1928.

William B. H. Dowse Trophy Cup

William H. Vanderbilt, for a collection of vegetables, August 18, 1928.

Silver Medal of American Rose Society

Montgomery Rose Co., for a new Rose Talisman, March 20, 1928.

President's Cup

Mar. 20. Mrs. Homer Gage, for a Spring bulb garden.
June 22. Professor A. P. Saunders, for Peony seedlings.
Sept. 8. Bay State Nurseries, for herbaceous and rock plants.
Nov. 2. Edwin S. Webster, for a group of Chrysanthemums.

Large Gold Medal

Mar. 20. Mrs. Homer Gage, for a Spring bulb garden.
Mar. 20. Thomas Roland, for a group of Acacias.
Mar. 20. Albert C. Burrage, for a group of Orchids.
May 10. W. A. Manda, for the most artistic exhibit other than Orchids (Orchid Exhibition, New York).

Oct. 15. R. T. Crane, Jr., Estate, magnificently planned and planted.
Nov. 2. Wyman's Framingham Nurseries, for conifers and berried shrubs.
Nov. 2. Albert C. Burrage, for a display of Orchids.
Nov. 2. Dr. W. G. Kendall, for an artistic and educational display of Grapes.

Exhibition Gold Medals

Mar. 20. Kelsey-Highlands Nursery, for evergreens and flowering plants.
Mar. 20. Edwin S. Webster, for a display of Orchid plants.
Mar. 20. Mrs. Samuel Cabot, Noanett Garden Club, for the most meritorious exhibit in Garden Club Exhibition.
May 10. Mrs. William K. DuPont, for the most beautiful Orchid flower (Orchid Exhibition, New York).
May 10. New York Botanical Garden, for an exhibit of foliage plants (Orchid Exhibition, New York).
June 16. Butterworth's, for a display of Epidendrum Orchids.
June 22. Butterworth's, for a display of Miltonia and other Orchids.
Aug. 18. Jelle Roos, for a display of Gladioli.
Sept. 8. Jelle Roos, for a display of Dahlias.
Sept. 8. Boston Mycological Club, for a collection of Mushrooms.
Nov. 2. Joseph Breck & Sons, for a collection of evergreen coniferous plants.
Nov. 2. Thomas Roland, for a group of Cypripedium Orchids.
Nov. 2. Louis Vasseur, for a collection of Fruits.
Nov. 2. Parker Bros., for a collection of Apples.

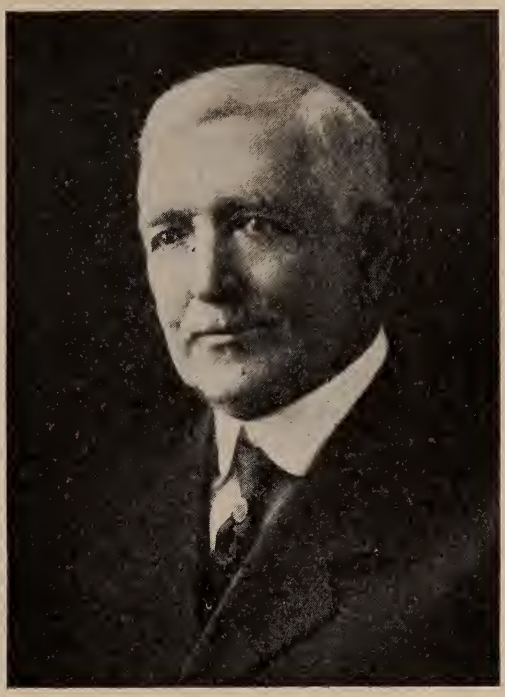
Silver Medals

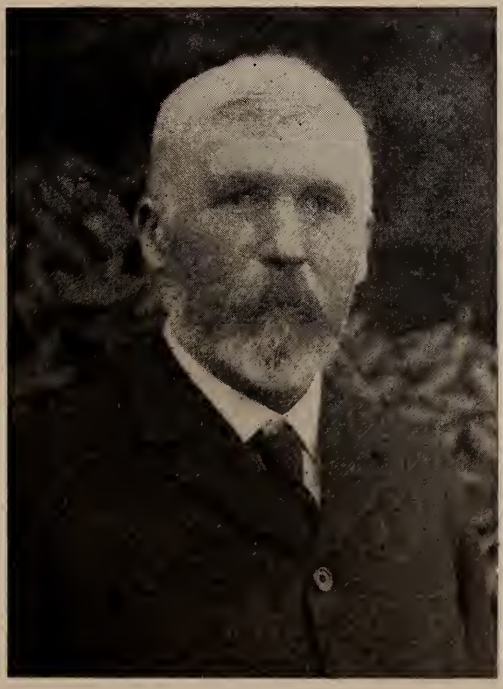
Mar. 20. Howard Coonley, for a group of annuals and perennials.
Mar. 20. William H. Vanderbilt, for a group of Lilies.
Mar. 20. Mrs. Albert C. Burrage, for a display of Hippeastrums (Amaryllis).
Mar. 20. F. W. Hunnewell, for a display of Orchid plants.

Mar. 20. Mrs. R. M. Saltonstall, for a group of Primulas.
Mar. 20. Mrs. Albert C. Burrage, for a group of greenhouse plants.
Mar. 20. R. & J. Farquhar Co., for a group of Azaleas and Lilies.
Mar. 20. E. H. Wetterlow, for a group of Ericas.
Mar. 20. George Peabody Gardner, Jr., for an exhibit of Cyclamen.
Mar. 20. Mrs. Malcolm Seymour, Cohasset Garden Club, for the Spring planting of a still pool.
Mar. 20. Mrs. John D. Adams, Community Club of Duxbury, for still life picture.
May 10. W. A. Manda, for Polypodiums (Orchid Exhibition, New York).
May 10. W. A. Manda, for two specimen Cycads (Orchid Exhibition, New York).
May 10. W. A. Manda, for Kentia Fosteriana (Orchid Exhibition, New York).
May 10. W. A. Manda, for Phoenix Roebelenii (Orchid Exhibition, New York).
May 10. W. A. Manda, for Phoenix canariensis (Orchid Exhibition, New York).
May 10. Joseph E. Widener, for group of Palms (Orchid Exhibition, New York).
June 16. Mrs. J. Montgomery Sears, for an exhibit of Viscaria.
June 16. Walter Hunnewell, for a display of Rhododendrons.
June 22. Cherry Hill Nurseries, for a display of Peonies.
June 22. Wilton B. Fay, for a basket of Peonies.
June 22. Mrs. Clement S. Houghton, for a basket of Peonies.
June 22. William F. Dusseault, for a collection of hardy Roses.
June 22. Harvard Botanic Garden, for a display of hybrid Rugosa Roses.
June 22. W. B. Parker, for a display of Peonies.
Aug. 18. A. L. Stephen, for a display of Gladioli.
Aug. 18. Butterworth's, for Epidendrum brassavolae.
Aug. 18. Hillcrest Gardens, for a display of Delphiniums.
Aug. 18. C. P. Knight, for a display of vegetables.

Mr. E. G. Hill

of Richmond, Ind., awarded the Thomas Roland Medal for his skill in originating and cultivating roses





Mr. T. D. Hatfield

of Wellesley, awarded the Jackson Dawson Memorial Medal for his skill in originating and propagating hard wooded plants

Sept. 8. Robert Laurie & Sons, for a collection of Delphiniums.
Sept. 8. Bay State Nurseries, for hardy herbaceous perennials.
Sept. 8. Bay State Nurseries, for rock garden plants.
Sept. 8. C. P. Knight, for a collection of Tomatoes.
Sept. 8. J. F. Cummings, for a collection of Tomatoes.
Oct. 15. Mr. and Mrs. Gordon Abbott, for an estate developed in a naturalistic manner.
Oct. 15. Mr. and Mrs. Clement S. Houghton, for a collection of alpine plants and a moraine.
Nov. 2. Edwin S. Webster, for a specimen Begonia.
Nov. 2. Edwin S. Webster, for a group of Chrysanthemum plants.
Nov. 2. Mrs. R. M. Saltonstall, for a specimen plant of Begonia Emita.
Nov. 2. Mrs. Homer Loring, for a specimen Chrysanthemum plant.
Nov. 2. William H. Vanderbilt, for cut Chrysanthemum blooms.
Nov. 2. Bay State Nurseries, for evergreens and berried plants.
Nov. 2. Butterworth's, for a group of Orchids.

Exhibition Silver Medals

May 10. Charles D. Armstrong, for a specimen Davallia (Orchid Exhibition, New York).
May 10. C. M. Woolley, for an exhibit of Bromeliads (Orchid Exhibition, New York).
May 10. William Kleinheinz, for the superior culture of Adiantums (Orchid Exhibition, New York).
May 10. W. A. Manda, for Cibotium Schiedei (Orchid Exhibition, New York).
May 10. W. A. Manda, for a specimen Polypodium (Orchid Exhibition, New York).
May 10. W. A. Manda, for a specimen Angiopteris erecta (Orchid Exhibition, New York).

Bronze Medals

Mar. 20. Dr. J. Henry Lancashire, for a group of Lilies.
Mar. 20. Charles Potter, for a vase of Anemones.

Mar. 20. Mrs. Walter D. Brooks, Milton Garden Club, for a still life picture.
Mar. 20. Mrs. Samuel Cabot, Noanett Garden Club, for Spring planting of a still pool.
June 16. Mrs. G. G. Whitney, for a collection of cut flowers of flowering shrubs.
June 16. Harvard Botanic Garden, for herbaceous cut flowers.
June 22. Indian Spring Farm, for a basket of Peonies.
June 22. W. C. Otis, for a basket of Peonies.
June 22. Market Garden Field Station, for Lettuce and Tomatoes.
June 22. Harvard Botanic Garden, for a collection of hardy Roses.
Aug. 18. Seabrook Nurseries, for a display of Gladioli.
Sept. 8. White & Johnson, for hardy herbaceous perennials.
Sept. 8. Wyman's Framingham Nurseries, for dwarf evergreens.
Nov. 2. Mrs. Homer Loring, for a group of Chrysanthemum plants.
Nov. 2. Mrs. R. M. Saltonstall, for a specimen Begonia.
Nov. 2. Mrs. Homer Loring, for a specimen Chrysanthemum plant.
Nov. 2. Mrs. Homer Gage, for cut Chrysanthemum blooms.
Nov. 2. Mrs. William E. Clark, for a collection of Cacti.
Nov. 2. Mrs. H. H. Buxton, for a collection of house-grown Begonias.

First Class Certificate of Merit

Jan. 9. To Cypripedium Royal George, exhibited by Thomas Roland.
Jan. 9. To Cypripedium Pallas Athena, exhibited by Albert C. Burrage.
Jan. 9. To Cypripedium Perseus Queen Alexandra, exhibited by Albert C. Burrage.
Mar. 20. To Azalea Louisa Hunnewell, exhibited by Walter Hunnewell.
Mar. 20. To Odontoglossum ardentissimum Sir Douglas Haig, exhibited by Albert C. Burrage.

June 22. To Peony Argosy (P. moutan x P. lutea), exhibited by Prof. A. P. Saunders.

Sept. 8. To Melon Cotting's Hybrid, exhibited by C. E. Cotting.

Award of Merit

Jan. 9. To Cypripedium Mem. F. W. Ogilvie, Chardwar var., exhibited by Thomas Roland.

Jan. 9. To Cypripedium Mario Westonbirt var., exhibited by Thomas Roland.

Jan. 9. To Cypripedium Gigas Corndean Hall, exhibited by Thomas Roland.

Jan. 9. To Cypripedium Prince Albert, exhibited by Albert C. Burrage.

Jan. 9. To Cypripedium Curtisii exquisitum, exhibited by Albert C. Burrage.

Jan. 9. Ty Cypripedium Curtisii exquisitum, exhibited by Albert C. Burrage.

Jan. 9. To Cypripedium Formidable, exhibited by Edwin S. Webster.

Jan. 9. To Cypripedium Pilatus, exhibited by Edwin S. Webster.

Jan. 9. To Carnation Early Rose, exhibited by S. J. Goddard.

Mar. 20. To Rose Talisman, exhibited by Montgomery Rose Co.

Mar. 20. To Brassocattleya Trimabilis, exhibited by Albert C. Burrage.

Mar. 20. To Brassocattleya Fulgens, exhibited by Albert C. Burrage.

Mar. 20. To Miltonia Bleuana nobile, exhibited by Albert C. Burrage.

Mar. 20. To Brassocattleya Cliftonii, The Globe, exhibited by Edwin S. Webster.

June 16. To Alstroemeria haemantha rosea, exhibited by Harvard Botanic Garden.

June 22. To Peony Joy (P. albiflora x P. lobata), exhibited by Prof. A. P. Saunders.

June 22. To Gunnera manicata, exhibited by Harvard Botanic Garden.
Nov. 2. To Brassocattleya Minerva aurea, exhibited by Albert C. Burrage.
Nov. 2. To Laeliocattleya Queen Mary, exhibited by Albert C. Burrage.

Vote of Commendation

Mar. 20. To specimen Marguerite, exhibited by Mrs. R. M. Saltonstall.
Mar. 20. To group of flowering plants, exhibited by Jelle Roos.
June 22. To display of Alstroemerias, exhibited by Harvard Botanic Garden.
Sept. 8. To new Gaillardia Herbert Hoover, exhibited by Robert Laurie & Son.
Sept. 8. To Dianthus Lindy, exhibited by Robert Laurie & Son.
Nov. 2. To collection of house-grown Begonias, exhibited by Mrs. H. H. Buxton.
Nov. 2. To Fig trees in tubs, exhibited by I. A. Racz.
Nov. 2. To Flageolet Beans, exhibited by Dr. Walter G. Kendall.
Nov. 2. To tomato plant grafted on potato plant, exhibited by Dr. Walter G. Kendall.

Cultural Certificates

Mar. 20. To William MacBean, for Lilies.
Mar. 20. To G. Peabody Gardner, Jr., for Cyclamen.
June 16. To G. E. Palmer, for standard Fuchsias.
June 16. To Peter Arnott, for hybrid Calceolarias.
June 16. To Butterworth's, for Epidendrum Orchids.
June 16. To Market Garden Field Station, for Lettuce and Tomatoes.
Sept. 8. To Dr. Walter G. Kendall, for Carman Peaches.
Sept. 8. To C. E. Cotting, for Melon Cotting's Hybrid.

Vote of Thanks

Mar. 20. To F. W. Hunnewell, for Ardisias.
Mar. 20. To Walter Hunnewell, for Kurume Azaleas.
Mar. 20. To Mrs. J. Montgomery Sears, for cut Camellias.
June 22. To James Donald, for Rhubarb.

Aug. 18. To William E. Clark, for cut Gladioli.

Sept. 8. To Dr. Walter G. Kendall, for Elderberry, Adams.

Sept. 8. To Louis Vasseur, for blooms of tuberous-rooted Begonias.

Sept. 8. To Hillcrest Gardens, for Zinnias.

Nov. 2. To Mrs. Homer Loring, for specimen Chrysanthemum.

Nov. 2. To Breck Robinson Co., for climbing Ivies.

Nov. 2. To Mrs. W. Rodman Peabody, for Gourds.

Garden Certificates

Oct. 15. Mr. and Mrs. Moses Lyman, for a garden on a city lot.

Oct. 15. Mrs. Robert C. Allen, for a rock garden.

Bronze Medals for Children's Gardens

Eben H. Bamberry, Jamaica Plain.
Arthur L. Belyea, Jamaica Plain.
William Broderick, Roxbury.
Sophie De Luco, Brighton.
Mildred E. DeMarsh, Brockton.
Edward C. Erlandson, Jamaica Plain.
William Farquhar, Roslindale.
Edward W. Flaherty, Jamaica Plain.
Edna Gagnon, Dodgeville.
Walter E. Hanhy, Brockton.
Roger Hartwell, Brockton.
David Low, Roslindale.
William Morse, Allston.
Charles W. H. Mullin, Jamaica Plain.
Carlisle Nason, Wellesley.
Arthur Phillips, Jr., Boston.
Ralph Rosendahl, Dorchester.
Jean Schmidt, Jamaica Plain.
Edson Scholz, Jamaica Plain.
Bernice Schubert, Boston.
Alfred J. Sinopoli, Boston.
Sherwood C. Stedman, Brockton.
Lawrence E. Sundberg, Brockton.
Raymond L. Willis, Brockton.

George Robert White Medal Award

It was announced by the Trustees in November, 1928, that the George Robert White Medal of Honor had been awarded to Colonel William Boyce Thompson of Yonkers, N. Y., for eminent service in horticulture. This is considered the highest horticultural award in America and is made possible by a fund of $10,000 left to the Massachusetts Horticultural Society by the late George Robert White, one of Boston's greatest benefactors.

It is felt that Colonel Thompson richly merits this award because of the great work which he has done in advancing horticulture in this country, and especially in the line of research. At Yonkers he has established and endowed the Boyce Thompson Institute for Plant Research, which was opened for the first time in September, 1924. Here has been assembled the best possible equipment for studying the complete life of plants in all its phases. A staff has been organized covering a wide range of technical branches and the practical problems which have to do with plant growth are being studied under the most favorable conditions.

Many unique appliances have been developed and greenhouses have been constructed for the special purpose of plant investigation. A notable piece of equipment is that which provides for supplementing daylight by artificial light at night. It is an enormous gantry crane which can be moved over one of the greenhouses at night and removed during the day. This crane carries 48 1,000-watt lights, which produce illuminating intensity equivalent to that of daylight.

Many important facts have been obtained from a study of sunlight passing through glass of different kinds and florists have been helped by investigations to determine the conditions under which seeds germinate the most satisfactorily.

The puzzling mosaic and yellows diseases which are so disastrous to asters, peaches and other important crops are being investigated to determine their nature. Much work has been done on the diseases of decorative plants in co-operation with the nurserymen, florists and horticulturists. Fungicides and insecticides have been formulated and, among many tried, a sulphur compound has been secured which is very effective

COLONEL WILLIAM BOYCE THOMPSON

Awarded the George Robert White Medal of Honor in 1928

in controlling such pests as coddling moth, leaf roller and apple scab.

The Boyce Thompson Institute is trying to meet both the scientific need and the public demand, yet wherein government controlled investigations are often urged to secure practical results at the expense of overlooking the fundamentals, this institute is independent and its main purpose is to discover the laws of plant development and to use this knowledge in the handling of plants. Proceeding in this way, there is equal promise for advance in plant science and of improvement in horticultural practice.

The activities of Colonel Thompson have been varied, for while his business is banking, he has held important offices such as head of the American Red Cross Mission to Russia in 1917, as well as being a member of the advisory commission to the American delegation in the conference on the limitation of armaments in 1921. Serving in these capacities, Colonel Thompson became so impressed with the dependence of humanity upon plants and their products that he felt a great public service could be rendered by providing for fundamental research to discover the possibilities of new horticultural practice. With this in view, the present institute was founded, and there can be no doubt of its usefulness due wholly to the foresight, liberality and horticultural enthusiasm of Colonel William Boyce Thompson himself.

Perennial Garden on the Estate of Mr. and Mrs. R. T. Crane, Jr.

Gardens for Which Awards Were Made in 1928

The estate of Mr. and Mrs. R. T. Crane, Jr., at Ipswich, Mass., which was awarded the large gold medal of the Massachusetts Horticultural Society in 1928, contains one of the most beautiful gardens in America. This estate, called Castle Hill, occupies about 3,000 acres and is located on an elevation 164 feet in height, commanding an unbroken view of ocean, beach, sand dunes, marshes, pastures and orchards.

Mr. John Burnham Brown, who sold Castle Hill to Mr. Crane, was a great lover of trees; he planted hundreds of European larches, Scots pine, Douglas fir, Colorado blue spruce, Nordmann fir, red pine, white pine, Austrian pine, maples, elms, birches, oaks, mountain ash and others. These trees are now more than 40 years old and many of them are beautiful specimens.

An Italian garden was laid out in 1914, the architectural work being done by Olmsted Brothers, and the planting under the supervision of Mrs. Crane. The plants are mostly herbaceous perennials, and the arrangement is held strictly to an effective color scheme. The colors are blue and blue shades, pink and pink shades, and white.

A large rose garden was designed and constructed in 1917 by Arthur Shurtleff and the planting was done by Mrs. Harriet R. Foote of Marblehead. The plants have grown luxuriantly and the standard roses are especially handsome. The roses in the beds include hundreds of varieties, mostly hybrid teas.

A vegetable garden when laid out with taste and planted with care gives as much pleasure and enjoyment as any other kind of garden. There is such a garden on the Crane estate, the architectural part of which was designed by Mr. Shurtleff. This garden is about two acres in extent, with grapes, apples and pears trained on the walls, and the planting is done each season with the purpose of creating a pleasing effect. This garden contains practically every kind of vegetable that will grow in this section of the country. There is also an extensive

Pool in the Perennial Garden on the Crane Estate

The Beautiful Rose Garden on the Crane Estate

border of herbs, all labeled with the common and botanical names.

The planting around the mansion, which is new, is extremely simple and dignified, being carried out with evergreens for the most part. There are large groups and clumps of evergreens in close proximity to the house, while extensive beautiful green rolling lawns stretch away to the ocean. Many other interesting features, such as grass tennis courts, a maze, a swimming pool and a golf course are to be found on this estate. On Choate Island, a part of the estate, 90,000 small trees—red pine, Scots pine, Austrian pine, Norway spruce and white spruce—were planted in 1927.

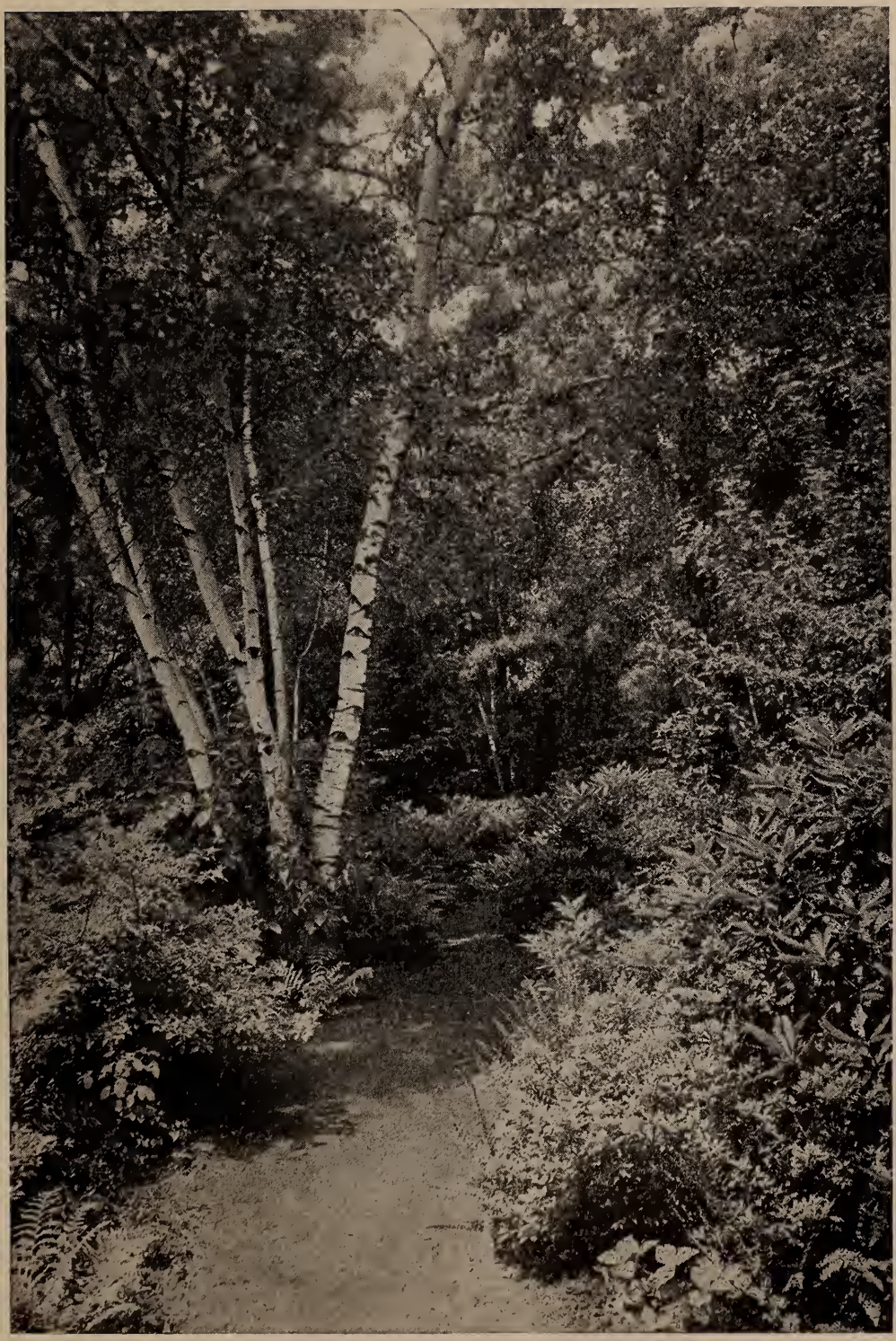
The silver medal awarded to Mr. and Mrs. Clement S. Houghton of Chestnut Hill, Mass., was for a marvellous collection of alpine plants and the development of a charming wild garden and moraine. It is indeed a revelation to find within the city limits so naturalistic a treatment, where birds are quite at home and where one may stroll along a sun-flecked dingle beside a quiet stream.

The wildest part of the estate is devoted to a rock garden surrounded by large oaks and clumps of birches. Happily, the place abounds with natural ledges of puddlestone of a neutral gray color which blends perfectly with dwarf evergreens growing amid masses of rock plants.

A more recent addition to the rock garden is the moraine, which has two compartments, one for lime-loving plants and the other for acid-loving subjects. Those which naturally enjoy the cool soil and full sun at high altitudes are being tried in this moraine where sub-irrigation is provided during the dry Summer months by perforated water pipes.

Here, pale blue Gentiana Farreri came through the Winter successfully. Miniature Myosotis rupicolor with flowers of blue and yellow has proved to be sturdy. Androsace villosa and its variety arachnoidea, and A. sempervivoides required only slight protection. Dainty Campanula pusilla is also in the collection.

The charm of these delightful gardens lies in the expert use of the natural plant growth and rock formations already existing on the grounds. Furthermore, one is impressed with



Wooded Path on the Estate of Mr. and Mrs. Clement S. Houghton

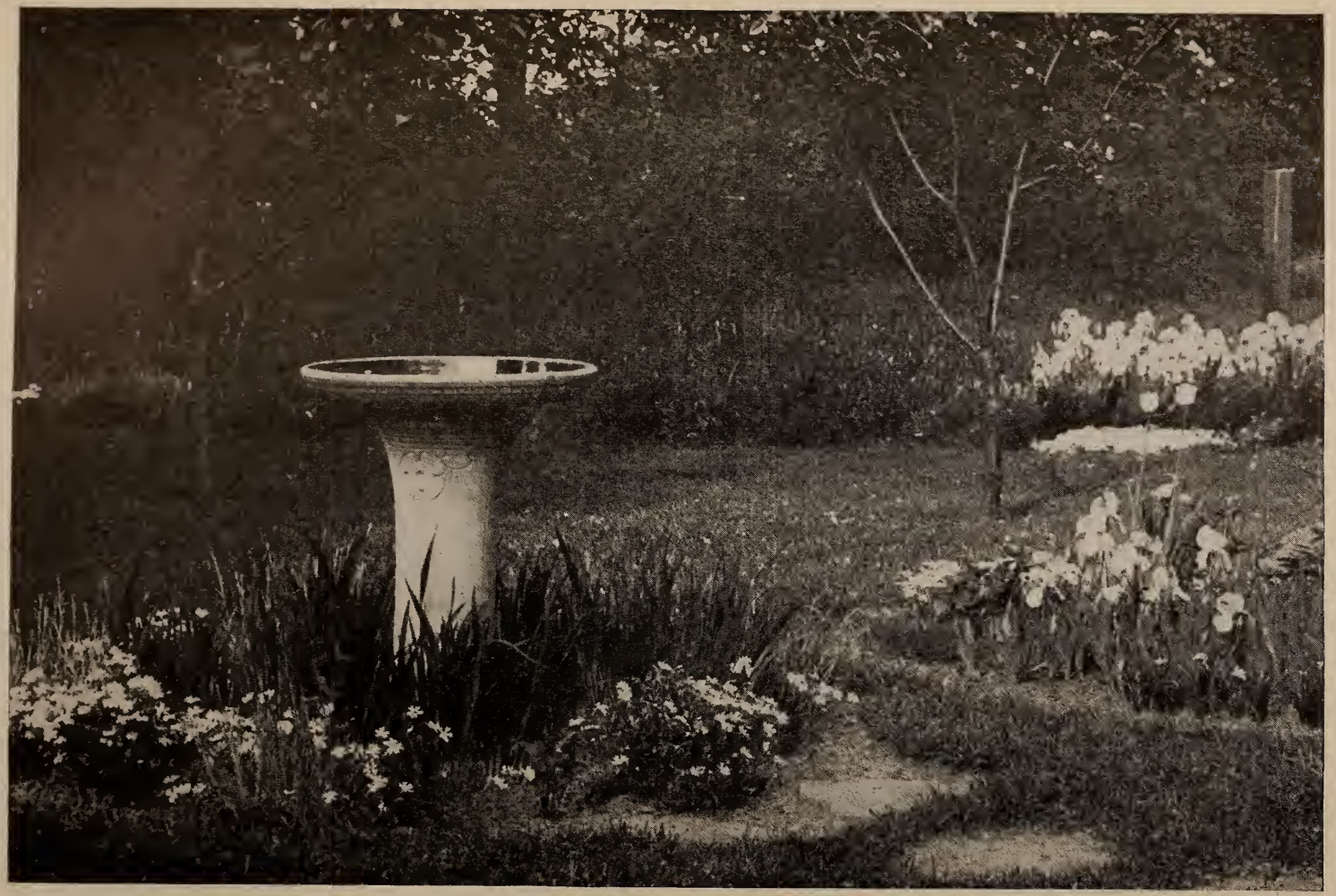
the idea that plants are in the place intended for them by nature.

Mr. and Mrs. Gordon Abbott of West Manchester were awarded a silver medal in 1928 for a garden, the special charm of which lies in a happy combination of cultural skill with the preservation of rugged natural features. Situated on the summit of a high bluff fronting the ocean, with an abundance of native trees,—oaks, maples, pines and elms, some of the latter being of majestic proportions,—and with picturesque outcrops of red granite here and there, it would be attractive even were there no garden cultivation whatever. But the natural contours of the ground have been taken advantage of in the planning and maintenance of several garden units, which, both in themselves and by virtue of their surroundings, are exceedingly delightful. There is a lovely terrace effect in the southward slope from the level of the residence to the edge of the bluff. Thence a smooth grassy path, well-shaded, leads along the edge of the bluff, through a wild garden of unusual interest, to the rock garden. This is wholly natural in its construction, the slope of the ledge and its numerous pockets affording opportunity for the successful cultivation of numerous alpines and other dwarf plants in great variety.

From the rock garden a winding path leads beneath some noble white pines to a level area, right in the midst of native shrubs and trees, which has been utilized in the development of a very charming perennial garden. Here the planting, while partially formal in design, is choice in selection, harmonious in color arrangement, and rich in variety. There is an entire absence of display, the single piece of statuary at the end of the central path being in striking accord with the general plan, while the obvious intent of the garden is that of a precious adjunct to the home. A notable and unusual feature of the garden is the presence of several laburnum trees, whose pendent clusters of golden blossoms in mid-June make a picture of rare beauty.

It is the simple truth to say that the success of the garden, both as a whole and in its minutest elements, is due to the wise planning and unremitting efforts of Mrs. Abbott herself.

A Corner in the Garden of Mr. and Mrs. Gordon Abbott at Manchester, Mass.



A Part of the Garden of Mr. and Mrs. Moses Lyman

Mrs. Robert C. Allen of Worcester, who was awarded a garden certificate, has a rock garden which she planned and constructed in 1922 on a rough plot of sloping grass land measuring 80 by 40 feet. Existing pines, larches, a picturesque apple tree and a demolished stone wall furnished the essentials for the garden as first planned, but in true artist fashion, Mrs. Allen has continually reworked the design to acquire a naturalistic effect.

Native plant material is used in one section of the garden where such subjects as white trillium, maidenhair fern and numerous wild flowers flourish. Along the winding paths are tastefully grouped, among other plants, Cypripedium acaule, parviflorum and pubescens, Epigaea repens, Shortia galacifolia, closed and fringed gentians, Iris prismatica, Azalea nudiflora and viscosa, and scarlet pimpernel. In addition, there are hosts of familiar rock plants so indispensable in such a planting. Sedums had been used in the past for quick effects, but many rare alpines are in the seed beds this year, so that Mrs. Allen expects to add over 100 new kinds of plants to her present extensive collection.

The garden of Mr. and Mrs. Moses Lyman at Longmeadow, near Springfield, for which the owners were awarded a garden certificate, was highly praised by the committee, several members of which visited it. This garden is located on a city lot. It was planned and is cared for by Mr. and Mrs. Lyman, who are real lovers of flowers and shrubs. Mrs. Lyman is the sister of the late Dr. Walter Van Fleet of Washington, who originated the climbing rose which bears his name and many others which are found in gardens everywhere. Mrs. Lyman is a writer as well as a flower lover and has produced some very creditable verse.

Exhibitions of the Centennial Year 1929

March 19-23. Centennial Plant and Flower Exhibition at Mechanics Building.

Tuesday, 1 to 10 P. M.; Wednesday, Thursday, Friday and Saturday, 9 A. M. to 10 P. M.

June 15-16. Iris, Rhododendron and Azalea Exhibition.

Saturday, 2.30 to 9 P. M.; Sunday, 12 M. to 9 P. M.

June 22-23. Peony, Rose, Strawberry and Sweet Pea Exhibition.

Saturday, 2.30 to 9 P. M.; Sunday, 12 M. to 9 P. M.

August 24-25. Gladiolus Exhibition.

Saturday, 2.30 to 9 P. M.; Sunday, 12 M. to 9 P. M.

September 7-8. Exhibition of the Products of Children's Gardens.

Saturday and Sunday, 1 to 6 P. M.

September 14-15. Dahlia Exhibition.

Saturday, 2.30 to 9 P. M.; Sunday, 12 M. to 9 P. M.

Oct. 30 - Nov. 3. Grand Autumn Exhibition of Plants, Flowers, Fruits and Vegetables.

Wednesday, 2.30 to 9 P. M.; Thursday, Friday and Saturday, 10 A. M. to 9 P. M.; Sunday, 12 M. to 9 P. M.

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*All these exhibitions, except the one in March, will be held in Horticultural Hall.

Annuals for the Home Garden*

Everyone who has a garden should grow and probably will grow some annuals, although it is not recommended that a garden should consist of annuals only. They will always be popular, for as Dr. Liberty Hyde Bailey, our pre-eminent American horticulturist, has said: "The garden of annuals will perhaps always remain the garden of the millions, for the planting fever will never fail to appear in its most malignant form in the Spring."

Why should annuals be grown in the home garden? Eight reasons can easily be given; let us consider them briefly.

1. Annuals give quick returns. The seeds are sown outdoors at some time in May, or perhaps indoors in March or April, and the plants in many instances begin to flower in June. There is no waiting, as is so frequently true of many herbaceous perennials which do not bloom until the second year.
2. Annuals are inexpensive; they are even cheap. Many kinds can be obtained at prices ranging from five cents to twenty-five cents per packet, while those which cost a dollar or more per packet are few. The higher priced varieties are usually forms which are not yet commonly available. Of course if seeds are purchased each year for the same garden or plot of ground, the expense is going to present quite a total but for any one season a garden of annuals is cheap.
3. A great mass and variety of color is provided by the annuals. It is only necessary to consider the variety of color that is included among such plants as China asters, or zinnias, or sweet peas, to make us realize the truth of this statement.
4. Freedom of bloom is also a pronounced characteristic of many annuals. Not only are flowers produced freely but with some, such as sweet peas and calendulas, the more the flowers are picked, the longer the plants will bloom.
5. Some of the annuals have fragrance, a quality which is frequently desirable. Mignonette, for example, should be grown for its fragrance even if it is not striking in color.

*A lecture by Clark L. Thayer of the Department of Floriculture, at the Massachusetts Agricultural College, Amherst, Mass., delivered at Horticultural Hall, Boston, June 23, 1928.

6. Beauty of form or line is also characteristic of many annuals. Such flowers as double calendulas and double African marigolds are more or less conventional in nature but such flowers as sweet peas, nasturtiums, salpiglossis, and poppies are beautiful because of their form as well as because of their color.
7. Annuals are of great value in supplementing the herbaceous perennials; this is one of the most important reasons why annuals should be grown in the home garden. During the first season of a new perennial garden there will be much bare ground due to the fact that perennials do not attain their full size the first year. Annuals may be used to good advantage in covering this bare ground and making the garden or border more attractive. Then again some of the perennials become rather unsightly during the Summer; some may even lose their foliage entirely; for example, Spring-flowering bulbs, oriental poppies, eremurus, and others. What can be better than annuals to carry on the season of bloom when such perennials have finished blooming?
8. Finally, many of the best flowers which are used for cutting are included among the annuals. It is true that many of the perennials are satisfactory for cutting, but in many instances there is only one short period of bloom; they are beautiful while they are available but that is for a short time only. On the other hand, as stated previously, the more certain annuals are picked, the better the plants will produce. Some people do not like to cut flowers; they prefer to see them growing in the garden in their natural manner rather than to see them cut, brought into the house, and placed in a more or less artificial setting. Yet there are multitudes of people who want quantities of flowers in the home; such persons should have a definite "cut flower garden," from which flowers may be cut as freely as desired without thinking whether the appearance of the garden is going to be injured. In a cut flower garden the plants should preferably be grown in rows to facilitate cultivation; however, such planting also makes it easier to get at the flowers.

Now that we have considered the reasons for growing annuals let us think for a moment of the objections to them. In the first place, they are temporary. Seeds must be sown every year unless the plants are allowed to "self sow" the previous season which is not always a desirable practice. Such "volunteer" seedlings are not always transplanted or

Sweet Peas Are Among the Most Useful of Annuals

thinned out with the result that they do not prove satisfactory. If given proper treatment such plants may bloom earlier than those from Spring sown seed.

The second and final objection is that the season for annuals as a general class is short. We might say that it is governed by the late frosts in the Spring and the early frosts in the Fall. Some annuals, such as sweet alyssum, will flower until the arrival of extremely cold weather, but many succumb to the first Fall frost. Compare the length of such a blooming season with that of the perennials, snowdrops and Christmas roses blooming during the Winter months and hardy chrysanthemums sometimes in November, with an abundance of bloom in the other months.

Let me now give you two lists of annuals that are desirable for garden purposes. The first includes those annuals which are members of the large botanical family, the compositae, the composite or daisy family:

Miscellaneous Annuals of the Family Compositae

Ageratum. Ageratum.
Arctotis grandis. Bushy Arctotis.
Brachycome iberidifolia. Swan-River-Daisy.
Calendula officinalis. Calendula.
Callistephus chinensis. China-Aster.
Centaurea cyanus. Cornflower.
Centaurea moschata (C. imperialis). Sweet-Sultan.
Chrysanthemum carinatum. Summer Chrysanthemum.
Coreopsis tinctoria. Calliopsis.
Coreopsis Drummondii. Golden Wave.
Cosmos bipinnatus. Cosmos.
Dimorphotheca aurantiaca. Winter Cape-Marigold.
Gaillardia pulchella. Rose-Ring Gaillardia.
Gaillardia pulchella var. picta. Painted Gaillardia.
Helianthus annuus. Common Sunflower.
Helianthus annuus fl. pl. Double Sunflower.
Helianthus annuus nanus fl. pl. Globes of Gold.
Helianthus annuus. Red Sunflowers.
Helianthus argophyllus. Silver Leaf Sunflower.
Helianthus debilis (cucumerifolius). Cucumber Sunflower.
Helichrysum bracteatum. Strawflower.
Helipterum Manglesii (Rhodanthe Manglesii). Mangles Everlasting.
Helipterum roseum (Acroclinium roseum). Rose Everlasting.

Rudbeckia bicolor superba. Erfurt Coneflower.
Sanvitalia procumbens. Common Sanvitalia.
Tagetes erecta. Aztec Marigold.
Tagetes patula. French Marigold.
Tagetes signata pumila. Dwarf Striped Marigold.
Zinnia elegans. Common Zinnia.
Zinnia Haageana. Orange Zinnia.

In glancing through this list you will note that it includes some of our most common garden flowers, as for example, the calendulas or pot marigolds, the China asters, the cosmos, the sunflowers, several strawflowers, French and African marigolds and zinnias.

Our second list, "Some Desirable Annuals," includes some which are found in the first list, but it is made up chiefly of plants belonging to other botanical families. Doubtless you will note many of your garden favorites but perhaps there are some which are not very familiar to you:

Some Desirable Annuals

1. Allyssum maritimum var. Little Gem. Sweet Alyssum.
2. Antirrhinum majus. Snapdragon.
3. Arctotis grandis. Bushy Arctotis.
4. Brachycome iberidifolia. Swan-River-Daisy.
5. Calendula officinalis. Calendula.
6. Callistephus chinensis. China Aster.
7. Celosia Childsi. Chinese Woolflower.
8. Celosia cristata. Common Cockscomb.
9. Centaurea cyanus. Cornflower.
10. Centaurea moschata. Sweet Sultan.
11. Chrysanthemum carinatum. Summer Chrysanthemum.
12. Clarkia elegans var. Salmon Queen. Clarkia.
13. Cobaea scandens. Purplebell Cobaea.
14. Coreopsis Drummondii. Golden Wave.
15. Coreopsis tinctoria. Calliopsis.
16. Cosmos bipinnatus. Cosmos.
17. Delphinium ajacis. Rocket Larkspur.
18. Delphinium consolida. Field Larkspur.
19. Dianthus chinensis. Chinese Pink.

Helipterum Manglesi (Rhodanthe Manglesi). Mangles

21. Eschscholtzia californica. California Poppy.
22. Gaillardia pulchella var. picta. Painted Gaillardia.
23. Gilia capitata. Globe Gilia.
24. Gomphrena globosa. Globe Amaranth.
25. Gypsophila elegans. Common Gypsophila.
26. Helianthus debilis (cucumerifolius). Cucumber Sunflower.
27. Helichrysum bracteatum. Strawflower.

28. Helipterum (Rhodanthe) Manglesii. Mangles Everlasting.
29. Humulus japonica. Japanese Hop.
30. Hunnemannia fumariaefolia. Goldencup.
31. Iberis amara. White Candytuft.
32. Iberis umbellata. Purple Candytuft.
33. Impatiens balsamina. Garden Balsam.
34. Ipomoea purpurea. Common Morning Glory.
35. Kochia scoparia. Belvedere.
36. Lathyrus odoratus. Sweet Pea.
37. Linum grandiflorum. Flowering Flax.
38. Lobelia erinus. Edging Lobelia.
39. Lupinus hirsutus. European Blue Lupine.
40. Matthiola incana var. annua. Annual Stock.
41. Mirabilis jalapa. Four o'Clock.
42. Nicotiana alata (affinis). Winged Tobacco.
43. Nigella damascena var. Miss Jekyll. Love-in-a-Mist.
44. Papaver rhoeas. Corn Poppy. Shirley types.
45. Papaver somniferum. Opium Poppy.
46. Petunia hybrida. Petunia.
47. Phlox Drummondii. Drummond Phlox.
48. Portulaca grandifolia. Common Portulaca.
49. Reseda odorata. Mignonette.
50. Ricinus communis. Castor-Bean.
51. Salpiglossis sinuata. Scalloped Salpiglossis.
52. Sanvitalia procumbens var fl. pl. Double Sanvitalia.
53. Scabiosa atropurpurea. Sweet Scabiosa.
54. Schizanthus pinnatus. Wingleaf Butterflyflower.
55. Tagetes erecta. Aztec Marigold.
56. Tagetes patula. French Marigold.
57. Tropaeolum majus. Climbing Nasturtium.
58. Tropaeolum minus. Bush Nasturtium.
59. Verbena hybrida. Verbena.
60. Zinnia elegans. Common Zinnia.
61. Zinnia Haageana. Orange Zinnia.
62. Zinnia Haageana var. Perfection.

You will note that very few horticultural or garden varieties are given in these lists. I would like now to give you a few varieties in some of the more common flowers:

Calendula: Orange King, Lemon Queen, and Ball's variety.

China Aster: Many types, especially Crego, Comet, King, Royal, and Late Branching.

Cornflower or Bachelor's Button: Double Blue, Double White, and Double Pink.

Cosmos: Extra Early Flowering, Pink and White. In some years the seasons apparently are not long enough for the Lady Lenox varieties to come into bloom.

Garden Balsam: Camellia-flowered type.
Sweet Pea: Spencer varieties.
Nicotiana or Winged Tobacco: White flowered forms if fragrance is desired; open in the evening and on dull days.
Opium Poppy: Peony-flowered and Carnation-flowered types.
Petunia: Ruffled Giants if size is desired and any of the Balcony Petunias if freedom of bloom is preferable to size.
Scabiosa or Sweet Scabious: Shasta, white; Peach Blossom, pink; Azure Fairy, lavender; Black Prince, dark purple.
French Marigold: Legion of Honor, Golden Ball, Lemon Ball.
Verbena: Mayflower; propagated from cuttings or "slips."
Zinnia: Dahlia-flowered types for size; Mexican type, variety Perfection, small flowers in a wide range of colors and combinations of colors.
Strawflower: Helichrysums if size and wide color range are desired; Helipterums for gracefulness and light colors.

Before giving you a list of desirable annuals for cutting I would like to discuss this subject briefly. As already stated, if many flowers are desired for cutting, a definite area should be set aside as a cut flower garden. If a few annuals only are wanted occasionally during the Summer, such flowers may be cut from the flower border or garden, but when this border or garden is maintained for display purposes, it should not be the source of supply for house decoration. It is much more desirable to have a plot where flowers may be grown and cut at will without detracting from the beauty of the main garden. On many home grounds this cut flower garden can be a part of the vegetable garden, possibly a corner, or in a border on one side or even surrounding the vegetables.

Secondly, in a cut flower garden the plants should be set in rows, with the rows far enough apart to allow the use of a wheel hoe or an ordinary hand hoe. This will simplify cultivation greatly and will decrease to a great extent the amount of hand weeding necessary when plants are set closely. The distance between plants in the row will naturally vary with different kinds of plants but a distance of

15 to 18 inches between rows is desirable. Such plants as cosmos, which are tall growing and branch freely, will give better results if the plants are two feet or more apart, with the same distance between rows. On the other hand, gladioli may be planted so closely in the row that the bulbs almost touch, but 15 or 18 inches should be allowed between rows. A general rule is that the distance between plants should be one-half the ultimate height of the plant. Thus, if a certain variety of cosmos grows to a height of six feet, the plants should be three feet apart; if a certain strain of zinnias is two feet tall, the plants should be one foot apart. Of course there are exceptions to this rule, for example, the gladiolus.

Flowers grown for cutting should be produced on long stems; short stemmed material is not very satisfactory unless low, mass effects are being arranged. Pansies grown in the garden are usually so short stemmed that they can be used in low bowls or plates, with ferns, carrot leaves, or some other fine foliage or background. Flowers of the garden balsam, produced on short spurs, are pleasing in shallow dishes only unless the entire plant is cut.

A variety of color is desirable so that numerous harmonious color combinations may be obtained. Good keeping qualities are also desirable but not essential. Annual poppies may not survive long when used as cut flowers but they are indeed beautiful until the petals fall; gladiolus and China asters may keep so long that we get tired of them before they are discarded.

I would now like to give you a list of ten annuals desirable for use as cut flowers; I do not say the ten best for who has the right to say what are the ten best for all conditions and circumstances? The plants are given in alphabetical order, not in order of importance:

1. Calendula. Pot Marigold.
2. Callistephus. China Aster.
3. Centaurea cyanus. Cornflower or Bachelor's Button.
4. Cosmos bipinnatus. Cosmos.
5. Lathyrus odoratus. Sweet Pea.
6. Reseda odorata. Mignonette.
7. Salpiglossis sinuata. Painted Tongue.
8. Scabiosa atropurpurea. Sweet Scabiosa.
9. Tropaeolum majus. Climbing Nasturtium.
10. Zinnia. Various types.

Ten fragrant annuals. Please bear in mind the fact that fragrance is a matter of personal choice; what might seem fragrant to one person might be an objectionable odor to another:

1. Alyssum. Sweet Alyssum.
2. Antirrhinum. Snapdragon.
3. Iberis. Candytuft.
4. Lathyrus odoratus. Sweet Pea.
5. Matthiola incana var. annua. Annual Stock.
6. Nicotiana. White Winged Tobacco.
7. Petunia.
8. Reseda. Mignonette.
9. Tropaeolum. Nasturtium.
10. Verbena var. Mayflower.

Annuals are frequently used for bedding purposes, especially those forms which branch freely or have a compact habit of growth. The following list may offer some suggestions:

1. Ageratum.
2. Sweet Alyssum; edging purposes.
3. China Aster.
4. Dimorphotheca; good on sandy soils.
5. Eschscholtzia.
6. French and African Marigolds.
7. Petunia.
8. Annual Phlox.
9. Portulaca; good on sandy soils.
10. Snapdragon.
11. Verbena.
12. Zinnia.

To this list should probably be added the ricinus or castor bean, that plant which is frequently seen, poorly placed, in the midst of a small home lawn.

In closing I want to remind you that there are also some desirable vines among the annuals. Probably the morning glories and the nasturtiums are most commonly known. Sweet peas may also be included among the vines but they are not grown primarily for shade or screening. The hyacinth bean, Dolichos lablab, and the purple bell cobaea, Cobaea scandens, are deserving of greater popularity; the latter will not produce a dense screen but it does grow rapidly and its bell-shaped flowers are very attractive.

Frontispiece of a Rare Book in the Library of the Massachusetts Horticultural Society

The Library, 1829-1929

When the forming of a horticultural society in Massachusetts was being discussed, one of the points in its favor was the ability of such an organization to collect books, especially expensive ones that many members could not afford for themselves. Consequently, when the Society was organized in the early months of 1829, a committee on the library was among the four standing committees created. The Society took the collecting of a library seriously, and gifts of books and money began to come in at once. Robert Manning was the first donor, and John Lowell, J. M. Gourgas and the firm of Grant Thorburn and Son were also prompt to give volumes from their private libraries. To raise a book fund, a subscription box was put on the table, so that any members who wished could contribute.

When the first catalogue was published in the "New England Farmer" (August 10, 1831) nearly two hundred volumes were included and the quality of the list was excellent. In it were such classics as Evelyn's "Silva" and Michaux's "North American Sylva," but the cream of the collection was Duhamel du Monceau's "Traité des Arbres Fruitiers; nouvelle édition augmentée par A. Poiteau et P. J. F. Turpin." Even today, in a library of extraordinary richness, this set is among the treasures of the collection.

For several years the library flourished, but during the late '40s and '50s the interests of the members centered in other activities, and the upkeep and use of the book collection suffered. Eighteen hundred sixty-five brought two rejuvenating influences—a new home and a new administration. The completion of the second Horticultural Hall gave the library adequate room, for which it had been suffering for several years. At the same time, a new Committee took over its affairs and re-established it as an active factor in the life of the Society. Moving into the new hall gave an excellent chance for reclassifying the whole collection, printing a

revised catalogue, and establishing the definite policy of making the library as complete as possible. Consequently the end of 1868 found the collection in good order, with a new standing as one of the major undertakings of the Society.

Eighteen hundred sixty-nine was the turning point in the library's history. In this year Josiah Stickney, a former president of the Society, died, and in his will provided generously for the library. The bequest gave an income of seven hundred dollars a year for thirty years. The principal then reverted to Harvard College and our interest in it ceased. Such a liberal gift (far more than the Society had ever appropriated) made possible purchases otherwise far out of reach, especially in the field of elaborately illustrated works issued in limited editions. It happened, fortunately, that this fund came to the Society at a time when such works were not in great demand and were, consequently, not expensive.

Some of the books bought with Stickney fund money could not now be obtained at any price, and all of them have increased many times in value. Thus the years between 1869 and 1899 saw the library grow constantly richer in books of great artistic beauty and scientific value. The library began to acquire a reputation as one of the great collections of the literature of horticulture, and accordingly drew to it, as such collections will, gifts and bequests of great value from other sources. The most remarkable of these acquisitions was what has come to be known as the "Davenport herbarium," a complete collection of the species and varieties of ferns growing north of Mexico, made by George H. Davenport and given by him to the Society.

During the 1880s two important undertakings were set on foot. The first was the systematic collection of horticultural trade catalogues from all parts of the world. Who originated the idea we do not know, but it formed the beginning of a collection that now numbers over seventeen thousand items. Such a file has many angles of interest, whether in representing the growth of a firm, the national development of an

industry, or the history of the cultivation and dissemination of a single species or variety. It is consulted many times a year by horticultural research workers, and is one of the few great collections of source material on that aspect of the modern history of cultivated plants.

At about the same time a card index to illustrations was begun. There was, it is true, an excellent printed index. But there was a long list of works not covered by it, and many fine and useful pictures of plants were therefore nearly as useless to readers as if they were not in the library at all. Accordingly, funds were provided and a worker engaged to make a supplementary index to a large number of sets. In the course of about twenty years three hundred and seventy-one works, some in many volumes, were indexed, and approximately eighty thousand species and varieties of plants were represented by from one to four or five entries. In spite of the fact that nothing has been added to this index for at least a quarter of a century it still keeps its unique place in the library's equipment.

The reports of the '90s are full of the cry for "more room" again. The library was growing rapidly in size and value, due to the purchasing power of the Stickney fund. The work of the secretary-librarian was increasing faster than the office staff could keep up with it, and the other activities of the Society were also outgrowing their quarters. A new hall was needed again, and in 1901 the Society moved into the present building. Once more it had room in which to care for its expanding activities, and adequate space for its library.

The Society's interest in the Stickney fund came to an end with the income for 1898. The appeal of the committee for a worthy successor was answered within three years by two bequests, known as the John D. Williams French fund and the John S. Farlow fund, whose combined totals, with later additions to the French fund, gave the library an endowment of over $14,700.

In 1906 the collection was once more thoroughly reclas-

sified, a process normally to be expected once in each generation if a collection is to keep pace with the advancement of science. The next undertaking was the publication of a new catalogue, the appearance of which was delayed for various reasons until 1918, with a second part following in 1921.

Throughout the library's history it has had periods of great activity, lapsing into times of little real usefulness. The last five years have seen an unprecedented growth in activity, directly the result of an official policy which makes of the library a major asset for the attraction of new members.

Dorothy St. J. Monks, *Librarian.*

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Corresponding Secretary, Mrs. H. H. Buxton, 114 Central St., Peabody

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President, Mrs. F. Civille Pray
Secretary, Mrs. D. Nelson Skillings

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Secretary, Mrs. Brooks Drain, Fearing St.

Andover Garden Club
President, Mrs. J. M. Stewart, Phillips Inn.
Secretary, Mrs. W. D. Walker, 121 Main St.

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Secretary, Mrs. Bryan S. Permar, 40 Beacon St., Boston

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Secretary, Miss Bessie A. Baker, Monument Square, Beverly

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Corresponding Secretary, Miss Caroline E. Peabody, 40 Appleton St., Cambridge

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Secretary, Mrs. Samuel H. Pillsbury, 173 Adams St., Milton

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Secretary, Mrs. William K. Jackson, 169 Chestnut Hill Rd. Chestnut Hill

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Secretary, Mrs. W. DeFord Bigelow, 308 Marlborough St., Boston

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Secretary, Mrs. Samuel T. Hobbs, Princeton, Mass. (Summer address). 216 Park Ave., Worcester (Nov. 1 to May 1)

The Centennial Medal

The Special Centennial Medal

In 1928 the committee on exhibitions decided that it would be wise and appropriate to prepare a special centennial medal to be awarded only in the year 1929. The well-known sculptor, John Francis Paramino, was engaged to design the medal and, at the suggestion of Mrs. Bayard Thayer, used as a motif the seal of the society which is emblematic of the Society's work and which has been in use for many years. The medal was cast by Whitehead & Hoag of Newark, N. J. It is original in form with a base of laurel leaves. These leaves appear on the reverse as well as on the obverse side of the medal. It was voted by the trustees to limit the number of these medals to one hundred, some to be gold, some silver, and some bronze.

Gifts to the Library

The Massachusetts Horticultural Society acknowledges with thanks gifts to the Library from the following donors in 1928:

Alabama Geological Survey.
Economic botany of Alabama, pt. 2, by R. M. Harper. 1928.

Arnold Arboretum.
Horticultural advertiser. 1895-1904. 10 vols.
A guide to the Arnold Arboretum, by C. S. Sargent; ed. 2. 1925.

Burrage, Albert C.
A collection of various forms of stoves, used for forcing pine plants, fruit trees, and preserving tender exotics, by W. Robertson. 1798.

Cornell University.
A study of pogoniris varieties, by A. W. W. Sand. 1925.

Hibberd, Ann.
Portfolio of water color drawings of mushrooms, by A. Hibberd.

Mayo, Mrs. F. S.
Gardening with peat moss, by F. F. Rockwell and W. G. Breitenbucher. 1928.

McKelvey, Mrs. Charles W.
The lilac, a monograph, by S. D. McKelvey. 1928.

New York State Museum.
Flora of the Allegany State Park region, by H. D. House and W. P. Alexander. 1927.

Puffer, William L.
Orchids, by E. S. Rand, Jr. 1876.

Reychler, Lucien.
Mutation with orchids, by L. Reychler. 1928.

Robinson, B. L.
Local floras of New England, by M. A. Day. 1899.

Royal Botanic Gardens, Kew.
Hand list of trees and shrubs in the Royal Botanic Gardens; ed. 3. 1925.

Smith, Mrs. Harold M.
Arboretum et fruticetum Britannicum, by J. C. Loudon. 1838. 8 vols.

Thurber, William B., Pres.
Cocoa and chocolate, a short history of their production and use, by W. Baker & Co., Ltd.; rev. ed. 1917.

United Fruit Company.
The banana: its history, cultivation and place among staple foods, by P. K. Reynolds. 1927.

U. S. Dept. of Agriculture.
Index to legislative history of acts of Congress involving the U. S. Dept. of Agriculture, comp. by Office of Solicitor. 1912.

Library Accessions

New books added to the Library in the year 1928 include the following:

Allen, J. M., comp. Author and subject index to the publications on plant pathology issued by the state agricultural experiment stations up to December 1, 1927. 1928.

American Peony Society. Peonies, the manual of the American Peony Society, ed. by James Boyd. 1928.

André, E. L'école nationale d'horticulture de Versailles. 1890.

Ascroft, R. W. Conservation of the nation's vegetation. 1926.

Avebury, J. L., 1st baron. Life history of British flowering plants. 1905.

Bailey, L. H. The garden lover. 1928.

Bailey, L. H. The harvest of the year to the tiller of the soil. 1927.

Baker, W. & Co., Ltd. Cocoa and chocolate, a short history of their production and use; rev. ed. 1917.

Ball, G. J. Better sweet peas.

Berry, J. B. Farm woodlands. 1923.

Besler, B. Continuatio rariorum et aspectu dignorum varii generis. 1616.

Boerker, R. H. D. Our national forests. 1926.

Bolles, F. At the north of Bearcamp Water. "cop 1893, 1917."

Bolles, F. Land of the lingering snow. 1892.

Boyle, J. E. Marketing of agricultural products. 1925.

Boyle, J. G. Vegetable growing. 1917.

Brooks, W. P. Soils; ed. 5. 1911.

Burbank, L. Harvest of the years. 1927.

Cattell, J. M., ed. American men of science; ed. 4. 1927.

Caus, I. de, illus. Wilton garden: Hortus Penbrochianus. (facsimile reprint, 189—).

Chandler, W. H. North American orchards. 1928.

Cheyney, E. G. What tree is that? 1927.

Child, S. Landscape architecture: a series of letters. 1927.

Clute, W. N. The useful plants of the world. 1928.

Conover, M. Office of experiment stations. 1924.

Coon, N. Small nursery. 1923.

Corbett, L. C. Garden farming. 1913.

Coulter, J. M. New manual of botany of the central Rocky Mountains, by J. M. Coulter and A. Nelson. 1909.

Cox, E. H. M. Evolution of a garden. 1927.

Cox, E. H. M. The modern English garden. 1927.

Cox, E. H. M. Primulas for garden and greenhouse, by E. H. M. Cox and G. C. Taylor. 1928?

Craig, W. N. Lilies and their culture in North America. 1928.

Cran, M. Garden of experience.

Cran, M. Garden of ignorance; new ed. 1924.

Dallimore, W. Pruning of trees and shrubs. 1927.

Dorn, M. W. The book of twelve for South Florida gardens, by M. W. Dorn and M. S. Douglas. 1928.

Drewitt, F. D. Latin names of common plants. 1927.

Durand, H. Field book of common ferns. 1928.

Ekblaw, K. J. T. Farm concrete. 1917.

Ellwanger, G. H. Idyllists of the country side. 1896.

Essig, E. O. Insects of western North America. 1926.

Farm and Fireside. Making your own market, comp. from . . . Farm and Fireside by R. Lord and T. Delohery. 1927.

Farrer, R. Report of work in 1914/15 in Kansu and Tibet. 1916/17.

Fox, H. M. Garden Cinderellas: how to grow lilies in the garden. 1928.

French, L. Jr. The smaller houses and gardens of Versailles from 1680 to 1815, by L. French Jr. and H. D. Eberlein. 1926.

Garden Club of America. Pronunciation of plant names. 1927.

Gardner, V. R. Orcharding, by V. R. Gardner, F. C. Bradford and H. D. Hooker. 1927.

Gaskill, A. The planting and care of shade trees. 1912.

Genlis, S. F. de. La botanique historique et littéraire. 1810.

Gerard, J. Gerard's Herball, the essence thereof distilled by M. Woodward from the edition of T. Johnson, 1636. 1927.

Gesellschaft für erdkunde. Wissenschaftliche beiträge zum gedächtniss der hundertjährigen wiederkehr des antritts von Alexander von Humboldt's reise nach Amerika am 5. Juni 1799, aus anlass des 7en internationalen geographen-kongresses herausgegeben von der Gesellschaft für erdkunde zu Berlin. 1899.

Godard, O. Jardins de la Côte d' Azur. 1927.

Gothein, M. L. History of garden art, trans. by L. A. Hind. 1928. 2v.

Greeves-Carpenter, C. F. Care of ornamental trees. 1928.

Gregory, C. T. Common garden pests, by C. T. Gregory and J. J. Davis. 1928.

Gustafson, A. F. Handbook of fertilizers. 1928.

Guyon, H. Notes sur l'horticulture en Allemagne. 1904.

Harada, J. The gardens of Japan. 1928.

Harper, R. M. Economic botany of Alabama, pt. 2. 1928.

Hawks, E. Pioneers of plant study. 1928.
Henslow, T. G. W. Garden renovation. 1926.
Heyer, F. Obstbau und obstnutzung in der Vereinigten Staaten von Nord-Amerika. 1886.
Hibberd, A. Portfolio of water color drawings of mushrooms. 1928.
Higgins, M. M. Little gardens for boys and girls. 1910.
Hoare, A. H. English grass orchard and the principles of fruit growing. 1928.
Hole, S. R. Book about the garden and the gardener. 1893.
Holmes, E. Commercial rose culture; ed. 3. 1928.
Hottes, A. C. The book of annuals. 1928.
Hottes, A. C. Book of shrubs. 1928.
Hottes, A. C. A little book of perennials; 2d ed. 1927.
House, H. D. Flora of the Allegany State Park region, by H. D. House and W. P. Alexander. 1927.
Hulme, F. E. Natural history lore and legend. 1895.
Hulme, F. E. Plants, their natural growth and ornamental treatment. 1874.
Hutchinson, F. K. Wychwood, the history of an idea. 1928.
Ivey, J. B. Successful dahlia growing in the South. 1927.
Jackson, B. D. Glossary of botanic terms; ed. 4. 1928.
Janczewski, E. de. Monographie des Groseilliers, Ribes L. 1907.
Johnson, A. T. The hardy heaths. 1928.
Jongkindt Coninck, A. M. C. Dictionnaire latin, grec, français, anglais, allemand, hollandais des termes employés en botanique; 2d ed. 1907.
Kalm, P. Travels into North America, trans. . . . by J. R. Forster; ed. 2. 1772. 2v.
Kauffman, C. H. Agaricaceae of Michigan. 1918. 2v.
Knight, T. A. Destructive effects of the aphis, and blights on fruit trees. 1801?
Kupper, W. Das Kakteenbuch, ed. by C. Schneider. 1928.
Lachaume, J. Les rosiers: culture, multiplication, taille, emploi . . . augm. par G. Bellair; 21st ed. 1928.
Lee, H. The vegetable lamb of Tartary. 1887.
Lloyd, J. W. Muskmelon production. 1928.
Longyear, B. O. Trees and shrubs of the Rocky Mountain region. 1927.
Loudon, J. C. Arboretum et fruticetum Britannicum. 1838. 8v.
McKelvey, S. D. The lilac, a monograph. 1928.
Macmillan, H. F. Tropical gardening and planting, with special reference to Ceylon; 3rd ed. 1925.
Manning, J. W., comp. Plant buyers index, supplement. 1928.

Manger, H. L. Vollständige anleitung zu einer systematischen Pomologie. 1780-83. 2v. in 1.

Marloth, R. Common names of plants. 1917.

Martin, J. M. Botany, with agricultural applications; 2d ed. rev. 1920.

Mason, A. F. Spraying, dusting and fumigating of plants. 1928.

Mattioli, P. Herbar: ginak Bylinar, z. lat. preloz. Thad. Hagek z. Hagku. 1562.

Maw, P. T. The practice of forestry. 1912.

Mawson, T. H. The life and work of an English landscape architect. 1927.

McIlvaine, F. E. Spring in the little garden. 1928.

Mitchell, S. B. Adventures in flower gardening. 1928.

Moore, B. Vegetation of Mount Desert Island, Maine, and its environment, by B. Moore and N. Taylor. 1927.

Muller, R. T. American greenhouse construction. 1927.

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Newman, L. H. Plant breeding in Scandinavia. 1912.

Nuttall, T. Travels into Arkansa Territory, 1819; ed. by R. G. Thwaites. 1905.

Olmstead, F. L. Frederick Law Olmstead, v. 2. 1928.

Osborn, H. F. Impressions of great naturalists. 1924.

Paul, H. M. Handbook of the hardy Primula. 1911.

Pellett, F. C. Birds of the wild: how to make your home their home. 1928.

Phillips, E. F. Beekeeping; rev. ed. 1928.

Pieters, A. J. Green manuring, principles and practice. 1927.

Powell, F. W. The Bureau of Plant Industry. 1927.

Quackenbush, A. T. A. The annuals of flowerland. 1927.

Reichow, H. Alte bürgerliche gartenkunst. 1927.

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Reychler, L. Mutation with orchids. 1928.

Reynolds, P. K. The banana, its history, cultivation and place among staple foods. 1927.

Robertson, W. A collection of various forms of stoves, used for forcing pine plants, fruit trees, and preserving tender exotics. 1798.

Robinson, B. L. Biographical memoir George Lincoln Goodale. 1927.

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Rockwell, F. F. Evergreens for the small place. 1928.

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Rockwell, F. F. Gardening with peat moss, by F. F. Rockwell and W. G. Breitenbucher. 1928.
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Rolfs, P. H. Subtropical vegetable gardening. 1916.
Rosenthal, W. F. Gartenentwürfe. 1928.
Royal Botanic Gardens, Kew. Hand list of trees and shrubs; 3rd ed. 1925.
Russell, Sir E. J. Soil conditions and plant growth; 5th ed. 1927.
Salaman, R. N. Potato varieties. 1926.
Sand, A. W. W. A study of pogoniris varieties. 1925.
Sanders, F. and Co. Sanders' orchid guide; rev. ed. 1927.
Sargent, C. S. A guide to the Arnold Arboretum; 2d ed. 1925.
Sargent, H. W. Skeleton tours through England . . . Poland, and Spain. 1871.
Sawyer, R. V. Water gardens and gold fish. 1928.
Schlechter, R. Die orchideen; 2d ed. 1927.
Schrepfer, F. A. Hardy evergreens. 1928.
Sears, F. C. Fruit-growing projects. 1928.
Sherlock, C. C. City and suburban gardening. 1928.
Silva, E., Conte di Biandrate. Dell' arte dei giardini Inglesi. 1801.
Silva-Tarouca, E. Unsere freiland-stauden . . . h'r's'g von E. Graf Silva-Tarouca und C. Schneider; 4th ed. 1927.
Simpson, C. T. Ornamental gardening in Florida. 1927.
Singer, C. Herbal in antiquity. 1927.
Smythe, W. E. City homes on country lanes. 1921.
Solly, V. N. Gardens for town and suburb. 1926.
Tabor, G. Come into the garden. 1921.
Taylor, N. Guide to the wild flowers. 1928.
Thayer, C. L. Spring flowering bulbs. 1928.
Theophrastus. De causis plantarum, ed. by R. E. Dengler. 1928.
Thistle, Donald [pseud.] Appleseed Johnny. 1927.
Thomas, W. S. Field book of common gilled mushrooms. 1928.
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Benevolent Fraternity Fruit and Flower Mission

The Benevolent Fraternity Fruit and Flower Mission desires to express its grateful thanks to the Trustees of the Massachusetts Horticultural Society for their share in contributing to the success of our work during the season of 1928.

The radiator in the basement room has made it possible to attend in comfort to the details in connection with the Mission during the cold months.

Through the kindness of Miss Marian Roby Case of Weston, who showed her "Pictures of Greece" for the benefit of the Fruit and Flower Mission, and the use of the hall for this lecture, $562 was added to our treasury, thus enabling us to broaden our opportunities for service.

In June, also, Miss Case opened Hillcrest Gardens under the auspices of the Evening Alliance of Greater Boston for the benefit of the Mary May Eliot Memorial Fund, a permanent fund of the Fruit and Flower Mission.

From an article in *Horticulture* we gained a new friend, who sent us jellies from the Cape.

During the drug convention at the hall the flowers of the previous day were turned over to us each morning, when the vases were refilled.

One of the exhibitors at the gladiolus show sent in a generous contribution of flowers later in the season.

Another exhibitor, who had watched our distribution of the exhibits after the flower shows, was instrumental in organizing a committee in another section of New England to superintend the sending of flowers to hospitals after a show.

Thus each season the co-operation of the Massachusetts Horticultural Society in our work brings increased results.

The space afforded by Horticultural Hall to take care of the contributions of flowers, fruits, vegetables and jellies,

which may be left any day throughout the entire year, provides the opportunity to take advantage of all offers to share the products of the gardens.

Through the courtesy of Mayor Nichols we again received the pansy plants from the Public Gardens.

The response to our Thanksgiving and Christmas appeal was very generous and our gay little baskets, filled with "goodies," carried holiday cheer to many, many shut-ins, some in hospitals, some bed-ridden and some just old and lonely.

Three hundred and ninety-two hampers, an increase of 125 over last year, were received from 24 towns during the 18 weeks of the Summer, and the contents were distributed by volunteer committees from our four centres, the South Bay Union, Robert Gould Shaw House, North End Union and Bulfinch Place Church. Enlarged groups had charge of the hamper work in various localities. More and more are we enlisting the aid of the garden clubs. In two towns the filling of the hamper became a real community project, the efforts of all denominations and societies.

The joy of the work of the Benevolent Fraternity Fruit and Flower Mission is that it is absolutely non-sectarian. Its contributors and its helpers are of all faiths and it reaches out to the sick and lonely of all nationalities and all creeds.

It acknowledges its indebtedness to the Massachusetts Horticultural Society as a sharer in this service.

Emily I. Elliott,
Executive Secretary.

REPORTS

OF THE

OFFICERS AND COMMITTEES FOR 1928

MASSACHUSETTS HORTICULTURAL SOCIETY

PRESENTED AT THE

ANNUAL MEETING JANUARY 14, 1929

WITH A

LIST OF THE NEW MEMBERS

Tropical Garden of Mr. Albert C. Burrage Which Received the Garden Club of America's Award at the National Orchid Show in 1928

The Inaugural Meeting

The inaugural meeting for 1929 was held at Horticultural Hall the afternoon of Monday, January 14. Vice-President Oakes Ames presided in the absence of the President, who sent the following message by wire:

The President's Inaugural Message

Members of the Massachusetts Horticultural Society:

When your secretary on January 2 granted me leave of absence for two months to get the sunlight of the Golden West, it was conditional upon my sending an inaugural address for January 14. But how can a rebellious exile, chafing under his enforced absence in this centennial year, send an inaugural from sunny California to frozen Massachusetts, 3,000 miles away?

I appreciate deeply my selection as president of your Society, and the great honor you have paid me so many times, and I wish I could be with you at your meeting. It is folly, however, to talk about inaugurating when one cannot even preside.

You are now fully concerned with your centennial celebrations, and you will be gratified with the report you will receive from your exhibition committee, most able, experienced, thoughtful and solicitous. The Spring exhibition will be outstanding and of great horticultural interest. It will give great joy to a vast number and be most helpful to our community. But I should not speak at this time and distance of things done or arranged, but of things yet undone under the revised by-laws. I can make suggestions to you for future consideration; and two I would like to make to you now after a week of ideal weather in this land of sunshine, of happy homes with trees, shrubs and flowers.

I am led to consider what the Massachusetts Horticultural Society is doing to better living conditions in Massachusetts. We have beautiful exhibitions, where the finest plants, flowers, fruits and vegetables are shown, and we reward those who exhibit them with medals and other prizes after careful examination and consideration. We award medals to those who establish and maintain unusually fine gardens in Massachusetts. We make awards for the meritorious gardens of

children. We have a magnificent library adapted for easy consultation by all horticulturists. We publish and send free to all members a splendid magazine full of helpful information. But what are we doing for the home makers,—the mothers who love their gardens and who wish to enjoy them as much as possible? Do we want the simple life or the life of the movies?

Are we imitating the garden cottages of Italy, of the Riviera, or Germany, or are we striving to build great barracks, which we call apartment houses, where only window boxes thrive? Are we offering prizes for vine-clad cottages or shrub-filled front yard gardens? Once in a while we offer some prizes for the back yard, but except in causing the exhibition of suitable plants, are we doing anything special for the front yard? Do the travelers who have been to Egypt bring back recollections of front porches and beautiful gardens and refined homes or do they bring recollections of huts of poverty, of wretchedness, of ignorance, where men and women are but little above beasts of burden? Are we ourselves not like the Egyptians who lived in a multitude of mud huts so they could build a few stone temples for the worship of the sun god? We, in our day, are strenuously building apartment houses in the suburbs in which to live so we can build great banking houses in the city. Are these to be the homes of the future? How can you call such a place a home!

How many thousands of farmers' wives in the Middle West were saved from insanity when the party telephone line was allowed on the wire fence! How many hundreds of thousands of potential good citizens and home builders will New England save from crime by improving the living conditions of the little home before it is too late? We need not try to duplicate the great entailed landed estates of England, but we can copy the homes of Dresden, and we should, in my opinion. We try to foster appreciation of plants and flowers by giving exhibitions; why not also foster the idea of porches for the permanent appreciation of gardens by their owners, so that they will be more keen to improve them from time to time?

California is growing beyond measure with the incoming hordes of prosperous home seekers from the North and East, who are driven hither by the inclement climate and poor living

conditions of those sections. Why drive them out? Why not do more to keep them with us? We in Massachusetts, on account of the climatic differences, cannot rival the fascinating bungalow homes of southern California, but we can go a long way towards it by going as far as our climate will permit. No woman ever yet sat on a good front porch that did not want to improve and beautify the front yard with plants and flowers. The race in America today is between the dreary apartment houses of New York and the bungalow homes of California with their porches and gardens.

My first suggestion is that the Massachusetts Horticultural Society offer a gold medal to the resident owner of that single house who by building a front or side porch facing the south, east or southeast, improves in 1929 his home the most of any in Massachusetts, as evidenced by photographs taken before and after the building of such a porch, submitted to the Trustees of the Massachusetts Horticultural Society prior to November 1, 1929, who shall make the award. To provide the income for granting such a medal annually, if justified, I hereby give the Massachusetts Horticultural Society $1250.

My second suggestion is that we plan to give greater special recognition to those primarily responsible for the superior culture of plants,—that is, the grower, gardener or plantsman who actually does the growing. It is true that we have established the Thomas Roland Gold Medal for skill in horticulture, but this is broader and may be awarded to those outside of New England. What is needed is the award of some prizes other than money to the actual producer of plants showing very superior culture. For the Centennial Exhibition such a prize,—a $250 gold cup,—is offered by the president, but the Society may well consider the advisability of giving an award at each exhibition for superior merit in gardening.

This Society is strong, experienced, well organized, and with its library, its magazine, its expert trustees and committees, it can exercise a potent influence upon the people of Massachusetts and their happiness, and justify the hopes of its founders, 100 years ago, who organized it *commune bonum,* —for the common good.

ALBERT C. BURRAGE.

Pasadena, Calif.

Report of the Secretary

The year 1928 was occupied largely in preparing for the Society's centennial observance. The Exhibition Committee became especially active after the Trustees decided upon a great centennial exhibition to be held in March in Mechanics Building. It seemed for a time as though all efforts to obtain the use of Mechanics Building on suitable dates would fail, but eventually the automobile show was set forward two weeks in order to give this Society the use of the halls late in March, but early enough to avoid conflicting with Easter. This happy solution of the difficulty was brought about through the kindness of Chester I. Campbell, manager of the automobile show.

At the end of the year the Exhibition Committee had brought its plans to a point which indicated that the centennial exhibition would, without question, be the greatest plant and flower show ever held in New England, occupying practically the entire building. The President worked with this committee all through the year, and in the Spring gave a luncheon at his home in Manchester which was attended by representatives of the Gardeners' and Florists' Club, the Nurserymen's Association, and most of the other trade organizations. This meeting resulted in bringing about the close co-operation of these organizations, particularly the Massachusetts Nurserymen's Association, the members of which have agreed to provide all the trees which may be needed for decorative purposes at the show. There will be several hundred of these trees, either in tubs or pots, or with their roots balled. Many of them will be carried along in Horticultural Hall until the opening of the show at Mechanics Building.

In the course of the year several special committees were appointed, one of which will have the task of selecting the many cups or pieces of plate which will be given as prizes, and will be purchased with the contributions of the Society's friends, the total amounting to some $5,000. This committee, consisting of Mr. Edwin S. Webster, Mr. Walter Hunnewell, Mr. John S. Ames and Mrs. Bayard Thayer, will also have the selection of the gold cup costing $1,000 which is to be the premier award.

Winning Still Life Picture at the Spring Show in Boston, 1928

This committee likewise has in hand the work of arranging for a special centennial medal to be used only in 1929. Through the efforts of the President, John Francis Paramino, a leading sculptor and a former associate of Augustus St. Gaudens, has been employed to make the design for the medal, which will be unique in form and execution. At the suggestion of Mrs. Thayer, it was voted to have Mr. Paramino employ the motif found on the seal of the Society.

The Exhibition Committee has worked in close touch with a committee from the garden clubs, with Mrs. Edward Wigglesworth as chairman. The garden clubs have been allotted space on both the main floor and the second floor of Mechanics Building for the centennial exhibition, and will stage many elaborate groups.

Although special emphasis is being placed on the centennial exhibition in March, the centennial spirit will pervade all the exhibitions of the year, and many of the medals to be awarded will be centennial medals. The centennial year will be further observed by a special exhibition in the Autumn, which will begin on October 30 and last for five days. This exhibition will be held in Horticultural Hall, but will be planned on a large scale.

The centennial of the Society will also be marked by the preparation of a history covering the entire 100 years and including the 1929 celebration. The preparation of this history is in the hands of a committee composed of the President and the ex-Presidents, who have employed Mr. A. Emerson Benson to write the history. Mr. Benson gave most of his time throughout the year to going over the records and making notes in preparation for the actual work of writing the book. Fifty years ago a history covering the first half century of the Society's existence was written, but it has been deemed best to have the new history cover the entire span of the Society's life and to give it a somewhat popular character, with the thought in mind that a reasonably large edition may be disposed of to members of this and similar organizations.

Several of the Trustees, particularly the President and Mr. Roland, were very active in connection with the exhibition of the American Orchid Society which was held in

Madison Square Garden, New York City, May 10, 11 and 12. This Society voted several gold and silver medals for award at the Orchid Show.

The garden committee had an active season, visiting gardens in many parts of the state. In its report to the Trustees October 15, the committee recommended that the Society's gold medal be given to the Richard T. Crane Estate at Ipswich, a silver medal to Mr. and Mrs. Gordon Abbott for their place at West Manchester, and to Mr. and Mrs. Clement S. Houghton for the development of their estate in Chestnut Hill, a certificate to Mr. and Mrs. Moses Lyman of Longmeadow and a certificate to Mrs. Robert C. Allen of Worcester. Mrs. Homer Gage of Shrewsbury was chairman of this committee.

In its annual report made on November 16, the George Robert White Medal of Honor Committee recommended that the award for 1928 be made to Col. William Boyce Thompson of Yonkers, N. Y., in recognition of his services in dedicating a great tract of land in Arizona for the development of the desert flora and in establishing the Boyce Thompson Plant Research Laboratory. The Trustees also voted to award the Jackson Dawson Memorial Medal to Mr. T. D. Hatfield of Wellesley, and the Thomas Roland Medal to Mr. E. G. Hill of Richmond, Ind. The details of all these awards have been published in *Horticulture*.

At a meeting of the Trustees on November 16 the library committee was authorized to make a special exhibition in Horticultural Hall, coincident with the centennial exhibition in Mechanics Building. This exhibition will show the progress of the library through the 100 years of its existence, and will include many rare and very interesting books, along with other material. It is hoped that many persons who visit the centennial exhibition will also visit this supplementary exhibition in Horticultural Hall.

At the end of the year the Massachusetts Horticultural Society found itself with the largest membership in its existence, a total of 5,178. During the year, 1,180 members joined the Society. The fact that the life membership is less than it was one year ago, however, is unfortunate. Twenty-six life members have passed away during the year, a larger number

than was added. The Society needs more life members, and it is to be hoped that the number of additions in 1929 will be materially increased. This is perhaps the weakest point in the Society's situation at the present time. The total number of deaths during the year was 49, and included several members who had been on the rolls for a great many years.

The receipts from rentals were less in 1928 than in 1927 because of the fact that the Food Fair was not held in Horticultural Hall this year, but in Mechanics Building. This change was made because larger quarters were desired and through no criticism of the service given here. The loss of this show, however, meant a difference of nearly $2,000 in the total revenue from rentals.

The hall has been rented 52 times in the course of the year, bringing in a total of $6,222.44.

The growth of *Horticulture* and the increased activities of the library will be shown in another report. They have made it necessary to increase the staff, and have resulted in making all of the Society's work better known.

Throughout the year the Society's associations with its kindred organizations in New York, Philadelphia, Worcester and other places have been friendly and helpful. The Secretary and other members attended the opening of the Worcester County Horticultural Society's splendid new building in the Spring, and were warmly entertained.

The Secretary desires to testify to the helpful co-operation of the members of the Massachusetts Horticultural Society throughout the year, and is especially grateful to the Trustees for their generous support and unfailing good will.

E. I. Farrington, *Secretary.*

Report of the Treasurer

Income

Income from Investments and Bank Interest		$26,392 57	
" " Rents		6,222 44	
" " Membership Fees		8,204 00	
" " Sale of Lots in Mt. Auburn Cemetery		2,754 52	
" " Exhibitions		12,556 00	
" " Centennial Exhibition		115 00	
" " Library Catalogue		30 00	
" " Donations		5 00	
" " Lecture Tickets		32 50	
" " Incidentals		207 60	
Donations to Fruit Prizes		125 00	
" " Medals		120 00	
" " Centennial Exhibition Prizes		2,260 00	
Returned from *Horticulture*		5,000 00	$64,024 63

Expenses

Operating Expense		$48,471 10	
Viz: Labor	$7,781 64		
Salaries	13,922 18		
Lighting	2,018 68		
Heating	1,290 86		
Incidentals	4,188 65		
Stationery and Printing	3,277 87		
Repairs	1,540 63		
Library	1,522 32		
Insurance	6,683 71		
Exhibitions	4,929 61		
Centennial Exhibition	1,314 95		
Prizes		$ 3,132 50	
Viz: Plants and Flowers in excess of income from special funds	$2,242 50		
Fruits in excess of income from special funds	82 00		
Vegetables in excess of income from special funds	354 00		
Children's Gardens	454 00		
Expenditure by Committees		$ 3,113 63	
Viz: Lectures and Publications	$ 719 32		
Medals	1,969 31		

Plants and Flowers	220 00		
Fruits	110 00		
Vegetables	95 00		
Expenses Paid from Funds		$ 2 011 87	
Viz: John D. W. French Fund	$ 434 57		
John C. Chaffin Fund	26 00		
Benjamin V. French Fund	107 00		
John Allen French Fund	219 00		
Samuel Appleton Fund	15 00		
John Lewis Russell Fund	25 00		
Josiah Bradlee Fund	74 00		
John A. Lowell Fund	40 00		
Henry A. Gane Fund	40 00		
Theodore Lyman Fund	540 00		
John S. Farlow Fund	92 30		
H. H. Hunnewell Fund	183 00		
William J. Walker Fund	74 00		
Levi Whitcomb Fund	15 00		
Benjamin B. Davis Fund	42 00		
Marshall P. Wilder Fund	11 00		
John S. Farlow, Newton Hort. Society Fund	74 00		
Subscriptions to *Horticulture*		$ 3,422 82	
Miscellaneous		350 00	
Total Expenditures		$60,501 92	
Excess of Income over Expenditures		3,522 71	$64,024 63

Membership

Life Members, December 31, 1927		829	
Added in 1928		11	
Changed from annual		1	
By Vote of Trustees		6	
		847	
Deceased		26	821
Annual Members, December 31, 1927		3,445	
Added in 1928		1,169	
		4,614	

Changed to Life	7		
Deceased	23		
Discontinued	227	257	
		4,357	
Holding for 1928 dues		330	4,027
Membership, December 31, 1928			4,848

LIFE MEMBERSHIP FEES

11 New Life Members at $50	$550.00
1 Annual Member changed to Life	50.00
	$600.00

INCOME FROM MEMBERSHIP

1169 New Annual Members at $2	$2,338.00
Annual Members Dues	5,598.00
Dues in arrears paid up	140.00
Annual dues paid in advance	128.00
	$8,204.00

LIST OF BONDS AND STOCKS HELD BY THE MASSACHUSETTS HORTICULTURAL SOCIETY

$11,300	Pere Marquette R. R. Co. 5% Bonds, 1956	$ 9,933.75
50,000	Chicago, Burlington & Quincy R. R. Ill. Div. 3½% Bonds, 1949	50,000.00
8,000	Boston & Maine R. R. 4½% Bonds, 1944	8,000.00
4,000	Interborough Rapid Transit 5% Bonds, 1966	3,920.00
4,000	American Telephone & Telegraph Co. Conv. 4% Bonds, 1936	4,000.00
20,000	Atlantic Refining Co. 5% Bonds, 1937	19,940.00
10,000	American Telephone & Telegraph Co. Conv. 4½% Bonds, 1933	8,396.00
12,000	Pacific Telephone Co. 5% Bonds, 1937	11,670.00
10,000	New York Central R. R. Co. 5% Bonds, 2013	9,950.00
11,000	Consolidated Electric Co. Gen'l Mtge. 5% Bonds, 1955	10,010.00
10,000	Southern California Telephone Co. 5% Bonds, 1947	9,550.00
5,000	American Telephone & Telegraph Co. 5% Bonds, 1946	4,973.75
3,000	Chicago Junction Rys. & Union Stock Yards 5% Bonds, 1940	2,824.50
5,000	New England Telephone & Telegraph Co. 5% Bonds, 1952	4,982.50
13,000	Southern Public Utilities 5% Bonds, 1943	11,862.50
5,000	Western Electric Co. 5% Bonds, 1944	4,825.00
15,000	Yadkin River Power Co. 5% Bonds, 1941	15,077.50

3,000	Philadelphia Suburban Water Co. 1st Mtge. 5% Bonds, 1955	2,955.00
10,000	New Jersey Power & Light Co. 5% Bonds, 1956	9,950.00
15,000	Indianapolis Gas Co. 5% Bonds, 1952	14,775.00
15,000	Fisk Rubber Co. 5½% Notes, 1931	14,737.50
15,000	Columbus Electric & Power Co. 5% Bonds, 1954	14,700.00
10,000	Puget Sound Power & Light Co. 5½% Bonds, 1949	10,150.00
20,000	Portland Gas & Coke Co. 5% Bonds, 1940	19,900.00
6,000	Commonwealth Edison Co. Coll. 4½% Bonds, 1956	5,745.00
25,000	State of New South Wales 5% Bonds, 1957	24,062.50
5,000	Utah Power & Light Co. 1st Mtge. 5 % Bonds, 1944	4,900.00
15,000	Georgia Power Co. 1st & Ref. 5% Bonds, 1967	14,550.00
10,000	Public Utilities Corp. 5½% Bonds, 1947	9,925.00
15,000	Railway & Light Securities 5% Bonds, 1951	14,587.50
12,000	New York Power & Light Corp. 1st Mtge. 4½% Bonds, 1967	11,490.00
5,000	American-European Securities Co. Coll. 5% Bonds, 1958	5,000.00
25,000	Shawinigan Water & Power Co. Coll. 4½% Bonds, 1968	24,625.00
4,000	United States Steel Corp. 5% Bonds, 1963	4,035.00
7,000	Shell Pipe Line orp. Deb. 5% Bonds, 1952	6,860.00
5,000	Western Union Telegraph Co. 5% Bonds, 1938	4,982.50
548 Shs.	General Electric Co. Common	
726 "	General Electric Co. Special	7,595.00
182 "	Electric Bond & Share Securities Corp.	
500 "	Consolidated Gas Co. of New York, Preferred	46,480.00
		$461,920.50

JOHN S. AMES, *Treasurer.*

Report of the Committee on the Library

The library has again had a prosperous year. In spite of an unusually quiet Summer, 2,958 books were loaned, 305 more than in 1927 and 1,004 more than in 1926. These books went not only to members in the neighborhood of Boston, but to some as far away as Florida, Georgia and California. These figures of books loaned, however, represent only a part of the library's activity, for in many cases the books can be supplied only after considerable time and study have been given to the problem the books are to solve. The inter-

ests of the readers have been varied. A landscape architect planning to go abroad has read exhaustively upon the gardens of Italy. Owners of new homes have studied the principles of good domestic design, and established householders have worked out improvements. Several professional horticulturists have used the trade catalogue collection to trace the history of their specialties, and growers of fruits, vegetables and flowers of all kinds have come for practical suggestions for their culture. Other institutions—horticultural societies, arboreta and botanic gardens, departments of agriculture and research organizations have on occasions been given information they could obtain nowhere else.

Three hundred and seventy volumes were added to the library in 1928. Among them, by purchase and by gift, were several rare works of considerable value, as well as the best of the current publications from many parts of the world.

The bindings of many of our oldest and choicest volumes have been showing the effects of age and of modern heat, and have been much in need of treatment. During the past year the committee has given the problem careful study, and has secured the services of an expert for the work. One hundred and seventy-two volumes have been put in good condition by her, and the work has been done with a proper regard for the desirability (both artistic and financial) of preserving the original bindings as far as possible. As there are still many such volumes in need of attention, the work is to continue in 1929.

The Committee has kept in constant touch with the work of the library, and has met monthly except during the Summer.

NATHANIEL T. KIDDER, *Chairman.*

Products of Children's Gardens

The exhibition of the products of children's gardens was held in Horticultural Hall, Boston, on August 25 and 26. There were fewer exhibits of vegetables than usual because of the wet season, but the exhibits of flowers were better

The New Tree Peony "Argosy" Shown by Professor A. P. Saunders at the Annual Exhibition of the American Peony Society, 1928

arranged than before and more care had been taken to have the flowers fresh.

After the large class had had its prizes awarded, the best exhibit in this class was found to be away from the rest in the smaller hall. As the children had seen to which exhibits the prizes had been given it was thought best by the judges to award a well-merited medal to this exhibit.

Another medal was awarded to Frances Franchitto for a vase of beautiful red Commonwealth and pink Templar roses from her garden at 176 Florence Street, Roslindale. This garden was afterwards visited and found to consist of three border beds against the house. Frances was at home and said that her mother took most of the care of the garden but that she helped her. There were about 25 rose bushes in these beds showing good clean foliage and a bud was coming into bloom showing the color of the Commonwealth rose.

M. R. Case, *Chairman,* Exhibition of
the Products of Children's Gardens.

Report of the Committee on Prizes

In its schedule for the year 1928 the Society offered a premium list of $5,623. The total awards, including gratuities of $245, amounted to $3,985, leaving a balance of $1,638. The President offered a $100 cup at each of the exhibitions, of which four were awarded as follows:

To the bulb garden of Mrs. Homer Gage at the Spring Show.

To peony seedlings of Professor A. P. Saunders at the Peony Show.

To herbaceous and rock plants of the Bay State Nurseries at the Dahlia Show.

To a chrysanthemum group of Edwin S. Webster at the Autumn Show.

During the year six gold medals were awarded in addition to 12 exhibition gold medals, 35 silver medals and 19 bronze medals.

To new and noteworthy plants the following awards were made: seven first-class certificates, 20 awards of merit, nine votes of commendation and eight for horticultural skill.

Exhibitions

In the year 1928 seven exhibitions were held, one, as usual, being devoted to the products of children's gardens.

The Spring Exhibition on the whole was not so good, notable outstanding features being fewer than usual. The garden club exhibits were better than ever before. The most worthy exhibit was Mrs. Homer Gage's bulb garden, which occupied the end of the large hall. It was a fine piece of work and reflected the greatest credit on Mrs. Homer Gage and her skillful superintendent, Allen Jenkins. This exhibit was awarded the President's Cup and the Horticultural Society of New York Gold Medal as the most original in the whole show. Mr. Thomas Roland put up a small but effective group of Acacias, which was awarded the Pennsylvania Society's Gold Medal as the most artistic exhibit present. However, it takes more than one or two exhibits to make a fine exhibition, and while all our shows were strong in spots the average was below the usual.

At the Autumn Exhibition Mr. A. C. Burrage's exhibit of hybrid Cattleya and Laelia orchids and Mr. T. Roland's exhibit of cypripediums were extraordinarily good. The season, or, at any rate, the dates on which our shows fell did not favor gladioli or dahlias, and the exhibitions of both these popular flowers were below the average. Iris do not figure as prominent exhibits at the shows. These beautiful flowers, as a matter of fact, do not look well when cut and placed in glass containers.

Flowers

The standard of former years was in general maintained and in several individual cases excelled, but our shows missed the fine displays of gladioli and dahlias. At the Peony Exhibition a notable exhibit was that of the peony seedlings raised by Professor A. P. Saunders. His new Moutan Paeonia Argosy, a soft glowing yellow, was one of the most delightful flowers seen. At the Autumn Show chrysanthemums were better than for many years past and the exhibit by Mr. Edwin S. Webster, set up by his superintendent, Peter Arnot, was one of the finest displays of its kind staged these many years. It was fittingly awarded the

President's Cup. The nurserymen again made good exhibits at the Autumn Exhibition. This show is beginning to rival the Spring Exhibition in importance and it would appear as if the time has come to make it a more prominent and more important event in the Society's annual calendar of exhibitions. This can be done best by enlarging the schedule and increasing the value of the prizes. The question of making it a paid show might well be contemplated.

Fruits

At the Autumn Exhibition there was a good display of apples and another one of grapes, but on the whole fruit did not measure up to expectations or standards.

Vegetables

At one or two exhibitions there were good exhibits staged but they were not so good as those of 1927. It would appear that the art of growing fruit and vegetables, or at least the interest in these invaluable subjects, gets less and less every year. Apparently we are content to let the commercial grower, especially of Florida and California, supply our tables with these necessary items. This is to be regretted since no one denies that the finest of both are those which are grown and gathered fresh from the home garden.

The judges fulfilled their exacting duties to the satisfaction of all concerned and once more it is the pleasant duty of the Committee on Prizes to record its appreciation of the sound judgment, fairness of spirit and harmonious working of the judges of flowers, fruit and vegetables throughout the year.

E. H. Wilson, *Chairman.*

Report of the Committee on Lectures and Publications

Twelve lectures at a total cost of $744.32 were delivered before the members of the Society during the year 1928, as below. That on Mushrooms was paid out of the John L. Russell Fund for Lectures on Fungi.

Modern Garden Design, by Sir Lawrence Weaver, February 13, 1928.

Gardens of the North Shore, by Herbert W. Gleason, March 14, 1928.
Four Week Course in Garden Design, by Bradford Williams, starting April 9, 1928.
The Beardless Iris, by John C. Wister, June 17, 1928.
Annuals for the Home Garden, by Clark L. Thayer, June 23, 1928.
Cultivation of the Peony, by Paul L. Battey, June 24, 1928.
Arrangement of Cut Flowers, by B. F. Letson, August 19, 1928.
Packing and Shipping Gladioli, by H. E. Meader, August 19, 1928.
Mushrooms, by Professor Charles Carroll Dodge, November 4, 1928.

The four lectures on garden design by Mr. Bradford Williams were given as a course on this subject. On the whole, the lectures, as in former years, were well attended.

In March the fifth Year Book of the Society was issued. In this are published details concerning the principal activities of the Society for the year.

Horticulture Illustrated

It is extremely satisfactory to be able to record another successful year for *Horticulture Illustrated.* On January 1, 1927, the paid circulation was 13,200; today it is 16,000, while the total number printed is 18,500. Last year we were able to state that our paper circulated in every state in the union except New Mexico. Today I am happy to say that even New Mexico has capitulated. *Horticulture Illustrated* now has subscribers in every state in the union as well as in Canada and in twenty-nine foreign countries. The volume of advertising carried during 1928 amounted to $29,408.74, being an increase of $7,077.37. The total receipts for the year amounted to $45,983.37. The expenses were $39,147.16, leaving a balance on hand of $6,806.21.

The Committee on Lectures and Publications has in consequence of this successful year been able to transfer to the Society the sum of $5,000, leaving *Horticulture* with a balance on January 1 of $1,806.21. Members will note that the cover proposition has been solved in an ingenious yet business way. It is sold as an advertising page together with the back cover

Exhibition of the New England Gladiolus Society in Boston, 1928

but the editor controls the picture that shall appear on the front page and the advertiser's name appears only in small letters at the foot of the page. Last year the quality of the paper was improved and this year we are going a step further in this direction, our main desire being to improve the character of the illustrations. These we feel have not yet reached the standard worthy of the paper and of the Societies whose organ it is.

The success of *Horticulture* is due, undoubtedly, to the fact that it supplies a want and serves the ever growing army of garden enthusiasts. Its contents are always varied in character, the editor's object being to leave no field of horticulture unaided. To the perspicacity and loyal devotion of our editor and secretary, Mr. E. I. Farrington, the success of *Horticulture Illustrated* in 1928, as in other years, is largely due.

E. H. Wilson, *Chairman.*

Report of Committee on Exhibitions

Your Committee on Exhibitions is obliged to report a decrease in attendance, during 1928, at the shows of our Society. This is an unpleasant duty, especially because several previous years had shown an increase from year to year, which we had hoped would continue. Inquiry seems to yield evidence that no special or local conditions are responsible for this. Flower shows in other places seem to have suffered similarly, and even entertainments of various sorts given for charities or institutional work appear to have had a falling off in attendance and in receipts.

There seems to be no connection between the decrease in attendance and the charge for admission. The number visiting the free shows has been less in proportions similar to the variation in attendance at the large Spring show where admission was charged. Non-members paid $12,481.00 to see the Spring show. This is the largest amount taken at any show of the Society in recent years but does not mean the largest attendance, as the admission was one dollar for three days, where formerly it had been fifty cents through-

out the show. The publicity for this show was managed by Mr. Chester I. Campbell, whom we think again demonstrated the advantage of expert handling of publicity.

The Massachusetts garden clubs again co-operated at the Spring show and their exhibits were more numerous and in greater variety than formerly. Their assistance was valuable, and without it our show would certainly lack some of its outstanding features. The Exhibition Committee takes this opportunity to thank sincerely Mrs. S. P. Wigglesworth, general chairman, and all of those who contributed so generously of time and material, using great and successful efforts to get remarkable results.

We also had the helpful co-operation of the American Peony Society, the New England Gladiolus Society and the New England Dahlia Society at the Summer shows.

The Exhibition Committee also expresses its appreciation of all those who aided in making these shows so successful. The hearty co-operation of many is essential, and our Society is fortunate in having a membership and friends who respond heartily to a call to help in this service of making horticulture more loved and better appreciated. To enhance the general desire for community cleanliness and beauty, and for individual interest and participation, is always commendable. The results are increased delight, sometimes cheer and sometimes solace, but always pleasure.

THOMAS ROLAND, *Chairman.*

Membership in the Massachusetts Horticultural Society

The constitution of the Massachusetts Horticultural Society fixes the annual dues at $2.00. For many years it was customary to charge an admission fee of $10.00, but by vote of the Trustees this requirement has been set aside for the entire year of 1929. Until the end of this year the only charge to new members will be $2.00, although this sum does not cover the cost to the Society of the publications which they will receive.

Life membership is obtained by paying the sum of $50.00, no further charge ever being required. Annual members who have paid the entrance fee of $10.00 in past years may become life members by paying $40.00 additional.

All members receive an identification card, which should be presented when books are borrowed from the library.

Any man or woman in any part of the country who is properly endorsed may make application for membership. New members are needed in order to increase the influence of the Society, and to broaden the scope of its work.

Application blanks may be obtained by writing to

The Secretary,
Horticultural Hall,
Boston, Mass.

NOTE—The secretary is glad to have present members send in the names of friends who might like to become enrolled.

Necrology

The following is a list of the members of the Massachusetts Horticultural Society whose deaths have been reported during the year 1928:

Frederic Amory
Mrs. George F. Arnold
Clarence A. Backer
Miss A. S. Bailey
Edward D. Blake
Mrs. J. A. L. Blake
Anton Bulk
Mrs. Mary D. Burdett
William H. Burgess
Henry R. Comley
Miss Harriet L. Crosby
Joseph H. Curtis
Miss Florence M. Cushing
George T. Dexter
Azro M. Dows
William B. H. Dowse
Mrs. Harry A. Edgerly
William Falconer
Herbert E. Fales
Mrs. H. M. Field
Mrs. William C. Fisher
Harry E. Fiske
Irving B. Frost
Mrs. Fred Hill
Oscar Hosmer
Charles H. Hyde
Mrs. George Taylor Leigh
Mrs. Abbie M. Leland
Miss Cora J. Leland
Otis H. Luke
George Rainsford Martin
Alexander McKay
George H. Morgan
Charles H. Morse
Robert C. Morse
Rev. William W. Newton
William Nicholson
Mrs. Warren Ordway
Mrs. Henrietta Page
John J. Richards
James E. Rothwell
Will Rounds
Frederick LeRoy Sargent
George F. Schrafft
Justin E. Varney
Mrs. Frank L. Wesson
Charles T. White
Dr. Leon E. White
William Whitman

Corresponding Members

Monsieur Joseph Pernet-Ducher
Sir W. T. Thiselton Dyer, K.C., M.G., F.R.S.
The Rt. Hon. The Lord Lambourne, P.C., C.V.O., V.M.H.

Massachusetts Horticultural Society

Honorary Members

1900 Dr. Henry S. Pritchett, New York

Corresponding Members

1925 D. M. Andrews, Boulder, Colorado.
1925 Rudolph D. Anstead, Director of the Agricultural College, Madras, India.
1921 J. F. Bailey, Director of the Botanic Gardens, Adelaide, South Australia.
1889 Dr. L. H. Bailey, Ithaca, N. Y.
1925 F. R. S. Balfour, Dawyck, Stobo, Peebleshire, Scotland.
1911 W. J. Bean, Royal Gardens, Kew, England
1918 Désiré Bois, Paris, France.
1925 James Boyd, Haverford, Pa.
1925 I. H. Burkill, F. L. S., care the Royal Gardens, Kew.
1925 G. H. Cave, Darjeeling, India.
1922 Joseph Edgar Chamberlin, Boston, Mass.
1918 Léon Chenault, Orléans, France.
1921 Fred J. Chittenden, Director of the Royal Horticultural Society Gardens, Wisley, Ripley, Surrey, England.
1925 Woon Young Chun, Botanical Dept., Southeastern University, Nanking, China.
1921 Allister Clark, Glenara, Bulla, Victoria, Australia.
1921 Dr. Leonard Cockayne, Ngaio, Wellington, New Zealand.
1925 Henri Correvon, Geneva, Switzerland.
1925 G. W. Darnell-Smith, Director of the Sydney Botanic Gardens, Sydney, New South Wales.
1925 Henry F. du Pont, Winterthur, Delaware.
1925 Pierre S. du Pont, Wilmington, Delaware.
1918 William C. Eagan, Highland Park, Ill.
1925 Charles C. Eley, M.A., F.L.S., Suffolk, England.
1925 I. B. Evans, C.M.G., Chief of Division and Director Botanical Survey, Pretoria, South Africa.
1925 G. Frazier, Ucuelet, Vancouver Island, British Columbia.
1925 W. G. Freeman, B.S.C., F.L.S., Director of the Botanic Garden, Trinidad.
1900 Beverly T. Galloway, Department of Agriculture, Washington, D. C.
1918 Professor N. E. Hansen, Brookings, South Dakota.
1925 Miss M. C. Hastie, Magnolia Gardens, S. C.

1911 Professor U. P. Hedrick, Geneva, N. Y.
1907 Dr. Augustine Henry, Dublin, Ireland.
1925 Joseph Hers, Tung Chang Hutung, Peking, China.
1925 William Hertrick, San Gabriel, California.
1925 Hermann A. Hessie, Weener, Germany.
1925 M. Robert Hickel, Versailles, France.
1925 A. H. Hill, Dundee, Ill.
1925 Arthur W. Hill, Royal Botanic Gardens, Kew, London, England.
1925 E. G. Hill, Richmond, Ind.
1925 E. Hillier, Winchester, England.
1897 J. W. Hoffman, Orangeburg, S. C.
1925 R. E. Horsey, Rochester, N. Y.
1925 Professor H. H. Hu, National Southeastern University, Nanking, China.
1925 Mrs. C. L. Hutchinson, Lake Geneva, Wisconsin.
1925 Hon. William M. Jardine, Secretary of Agriculture, Washington, D. C.
1925 Charles W. Knight, Oakdale, N. Y.
1921 C. E. Lane-Poole, Canberra, Australia.
1925 C. C. Laney, Rochester, N. Y.
1875 G. F. B. Leighton, Norfolk, Virginia.
1911 M. Émile Lemoine, Nancy, France.
1925 Gerald W. E. Loder, M.A., F.L.S., Sussex, England.
1925 Donald MacGregor, Shanghai, China.
1925 Dr. Rudolph Marloth, Capetown, South Africa.
1925 Sir John S. Maxwell, Pollokshaws, Scotland.
1925 The Rt. Hon. Sir Herbert E. Maxwell, Bart., F.R.S., D.C.L., Wigtownshire, North Britain.
1875 F. C. Maxwell, Geneva, N. Y.
1925 John McLaren, San Francisco, California.
1918 J. Horace McFarland, Harrisburg, Pa.
1925 Mrs. William Mercer, Doylestown, Pa.
1911 Wilhelm Miller, University of Illinois, Urbana, Ill.
1925 Rev. E. M. Mills, D.D., Laguna Beach, California.
1925 Dr. Kingo Miyabe, Director of the Botanic Garden, Sapporo, Japan.
1898 Sir Frederick W. Moore, Glasnevin, Dublin, Ireland.
1918 Dr. George T. Moore, Botanical Gardens, St. Louis, Mo.
1925 F. Cleveland Morgan, Montreal, Canada.

1887 Sir Daniel Morris, K.C.M.G., 14 Crabton Close, Boscombe, Hants, England.
1925 Mr. Joy Morton, Chicago, Illinois.
1919 M. Séraphin Joseph Mottet, Verrières-le-Buisson (Seine-et-Oise), France.
1925 F. R. Newbold, New York, N. Y.
1925 M. L. Pardé, Nogent-surVernisson (Loiret), France.
1906 Lt.-Col. Sir David Prain, Warlingham, Surrey, England.
1925 Miss Isabel Preston, Ottawa, Canada.
1925 Johannes Rafn, Skovfrokontoret, Copenhagen, Denmark.
1894 Cavalière Enrico Raguso, Palermo, Sicily.
1925 Dr. Robert Ridgway, Olney, Illinois.
1906 Dr. Henry L. Ridley, care Royal Gardens, Kew.
1898 Benjamin Lincoln Robinson, Ph.D., Curator of the Gray Herbarium of Harvard University, Cambridge.
1875 William Robinson. East Grinstead, Sussex, England.
1921 L. Rodway, C. M. G., Government Botanist and Secretary, Botanic Gardens, Hobart, Tasmania.
1899 William Salway, Cincinnati, Ohio.
1925 Camillo Schneider, Charlottenburg, Germany.
1925 F. L. Skinner, Dropmore, Manitoba.
1925 Professor William Wright Smith, Royal Botanic Gardens, Edinburgh, Scotland.
1925 Dr. H. Spaeth, Berlin-Baumschulenweg, Germany.
1925 Dr. Otto Stapf, London, England.
1921 David Tannock, Superintendent, Botanic Gardens, Dunedin, New Zealand.
1893 Professor William Trelease, Urbana, Ill.
1921 M. Jacques de Vilmorin, Paris, France.
1912 Professor Hugo de Vries, University of Amsterdam, Amsterdam, Holland.
1918 F. Gomer Waterer, Bagshot, Surrey, England.
1925 Cyril T. White, Government Botanist, Brisbane, Queensland, Australia.
1919 J. C. Williams, Gorran, Cornwall, England.
1906 Miss Ellen Willmott, Great Warley, Essex, England.
1911 E. H. Wilson, Jamaica Plain, Mass.
1921 Gurney Wilson, Richmond, Surrey, England.
1925 John C. Wister, Germantown, Pa.
1901 Professor L. Wittmack, Secretary of the Royal Prussian Horticultural Society, Berlin.
1925 Major A. C. T. Woodward, Bewdley, Worcestershire, England.

NEW MEMBERS IN 1928

Abbott, Mr. Harold T., Medford.
Abbott, Mrs. Harrie, Malden.
Abbott, Mr. Ralph F., Danvers.
Abbott, Mr. Samuel A. B., Rome, Italy.
Adams, Mrs. L. Sherman, Wellesley.
Adams, Mrs. Samuel, Dorchester.
Adams, Mr. Wilman E., Brookline.
Adshead, Mr. Ernest, Sr., Auburn.
Alcaide, Mrs. Antonio, Brookline.
Allen, Mrs. G. Howard, Arlington.
Allen, Mrs. J. Irving, Woburn.
Allen, Mr. John K. Brookline.
Allen, Mr. Leon T., West Medford.
Allen, Mrs. Philip R., Walpole.
Allen, Dr. Robert, Attleboro.
Allen, Mrs. William A., Marlboro.
Allen, Mr. William L., Chestnut Hill.
Ames, Miss Edith, Bridgewater.
*Anderson, Caroline F., Brookline.
Anderson, Mrs. Charles W., Malden.
Andrews, Mrs. Edward A., Newton Centre.
Andrews, Miss Katharine H., West Roxbury.
Andrews, Mrs. Richard F., Roxbury.
Angert, Mr. Eugene H., St. Louis, Mo.
Anthony, Mr. A. C., Marblehead.
Applebee, Mrs. James W., East Lynn.
Armstrong, Mrs. Richard, Boston.
Arnold, Mrs. Henry, Dorchester.
Aronson, Miss Lillian, Chelsea.
Arthur, Mr. Franklin, Chebeague, Me.
Atwood, Mrs. I. F., Melrose.
Ault, Mrs. Charles, Auburn, Maine.
Austin, Mr. Fred W., Manchester-by-the Sea.
Austin, Mr. George Barker, Holbrook.
Austin, Mr. James W., Dover.
Austin, Miss Laura C., Somerville.
Austin, Mrs. W. D., Boston.
Avery, Mrs. G. L., Newton Centre.
Ayer, Mrs. F. Wayland, Newton Centre.
Babbitt, Mrs. A. F., Hudson.
Babbitt, Miss Ina F., Hudson.
Bacon, Mrs. W. Bartlett, Brookline.
Bacon, Mr. William, Brookline.
Bacon, Mrs. William, Boston.
Bacon, Mr. William H., Cambridge.
Badger, Mrs. Charles K., Newton Centre.
Bagley, Mr. Ray C., South Peabody.
Bailey, Mrs. Jane V., Lynn.
Bailey, Mrs. Sidney E., Swampscott.
Bakeman, Mrs. F. E., Newton Centre.
Baker, Mr. A. Stuart, Dayton, Ohio.
Baker, Mr. Clifton H., Wollaston.
Baker, Mrs. Ella J., Hingham.
Baker, Mr. George D., Melrose.
Baker, Mrs. H. B., Roslindale.
Baker, Mrs. H. C., Malden.
Balch, Dr. Franklin G., Boston.
Ballou, Mrs. Helen H., Brookline.
Ballou, Mr. Russell A., Brookline.
Bancroft, Mrs. Charles P., Concord.
Barber, Miss A. M., Boston.
Barber, Mr. Earl H., Reading.
Barker, Mr. Charles R., Wellesley.
Barker, Miss Elizabeth G., Salem.
Barnes, Miss Helen W., Lowell.
Barnett, Mr. J. M., Clifton.
Barthel Mr. Frederick, Framingham.
Bartlett, Miss Bess, Lynn.
Bartlett, Mrs. N. E., Andover.
Bassett, Mrs. William H., Bridgewater.
Batchelder, Mrs. Charles F., Cambridge.
Batchelder, Miss Edith, Boston.
Bates, Mrs. G. M., Wellesley Farms.
Battelle, Miss Sarah W., Boston.
Bauman, Mr. Paul E., North Abington.
Bearse, Miss Constance, Centreville.
Beattie, Mr. William T., Arlington.
Beck, Mrs. Herbert C., West Roxbury.
Beckwith, Mrs. Grace S., Cambridge.
Beede, Miss Frances M., Cambridge.
Belknap, Mrs. R. H., Framingham.
Bell, Mrs. Harriette B., East Milton.
Bellefontaine, Mr. William O., Hull's Cove, Maine.
Bennett, Dr. Frank E., St. Thomas, Ontario.
Bennett, Mrs. Samuel Crocker, Auburndale.
Benoit, Mr. Armand W., Malden.
Benson, Mr. Charles H., Waverley.
Bent, Mr. Arthur T., Boston.
Bentley, Mrs. Robert L., Milton.
Berry, Mrs. E. J., Leland, Miss.
Berry, Mrs. James M., Malden.
Berry, Mrs. Rose, Randolph.
Besse, Mrs. Harry W., Wayland.
Best, Miss Gretchen M., Boston.
Betterton, Mrs. T. C., Chattanooga, Tenn.
Bever, Miss Linda, Appleton City, Mo.
Bigelow, Mrs. C. Willard, Brookline.
Bigelow, Mrs. Carl M., West Newton.
Bigelow, Miss Gertrude, Natick.
Bigelow, Mrs. Pauline, Belleport, L. I., N. Y.
Bigelow, Mrs. Robert P., Brookline.
Bignault, Mr. George, Savannah, Ga.
Billings, Mr. Edmund, Boston.
Billings, Mrs. H. J., South Acton.
Bingham, Mr. Michael, Somerville.
Bingham, Mr. Stillman, Duluth, Minn.
Binley, Mrs. William, Braintree.
Bishop, Mrs. Arthur J., Brockton.
Blanchard, Mr. Herbert W., Concord.

*Life Members.

Blease, Mr. Thomas, Pawtucket, R. I.
Bleicken, Mr. Gerhard, Centreville.
Bliss, Mr. E. F., Cambridge.
Bliss, Mrs. Henry M., Chestnut Hill.
Boland, Mrs. E. N., Melrose Highlands.
Bourne, Mrs. F. A., Boston.
Bosson, Mrs. L. K., Newton Upper Falls.
Bothfeld, Mrs. Henry, Sherborn.
Bowen, Mr. Clovis H., Pawtucket, R. I.
Bowen, Mrs. Elma S., Pawtucket, R. I.
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